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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

### [PART III—SECTION 2]

[पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस]

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### पेटेंट कार्यालय

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कोलकाता, दिनांक 28 फरवरी 2004

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कोलकाता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं:--

1. पेटेंट कार्यालय शाखा,  
टोडी इस्टेट, तीसरा तल,  
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लोअर परेल (वेस्ट),  
मुम्बई - 400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश तथा  
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संघ शासित क्षेत्र, दमन तथा दीव एवं  
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2. पेटेंट कार्यालय शाखा,  
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हरियाणा, हिमाचल प्रदेश, जम्मू  
तथा कश्मीर, पंजाब, राजस्थान,  
उत्तर प्रदेश तथा दिल्ली राज्य  
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चेन्नई - 600 018।

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पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम, 2002 अथवा पेटेंट नियम, 2003 द्वारा अपेक्षित सभी आवेदन, सूचनाएं, विवरण या अन्य दस्तावेज या कोई फीस पेटेंट कार्यालय के केवल समुचित कार्यालय में ही ग्रहण किए जाएंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जाएगी अथवा जहां उपयुक्त कार्यालय अवस्थित हैं, उस स्थान के अनुसूचित बैंक से नियंत्रक, पेटेंट को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 249//CAL/2002 A	(22) Date of filing : 01/05/02
(54) Title : DRIVING DEVICE FOR BICYCLE USING RIDER-INDUCED AND TERRAIN INDUCED FORCES FOR TRANSMISSION	(51) International Classification : B 62 K 3/14

(71) Name of the Applicant : KANAK DAS	
Address of the Applicant : VILLAGE: MORI HIRA GAON (WARD NO-3), DIST: MROI GAON, ASSAM PIN-782105, INDIA	
(72) Name of the Inventors : KANAK DAS	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A bicycle with rider-induced and terrain induced forces for transmission System is disclosed in this work. The vibrations induced by the terrain undulations coupled with the weight of the rider are used for propelling the bicycle through spring 3 and freewheel 2. The freewheel 2 is actuated by a pinion 4, which receives the translation motion induced by the road undulations.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 250/CAL/2002 A	(22) Date of filing : 01/05/2002
(54) Title : NEW PROCESS FOR PREPARATION OF BIOLOGICAL ACTIVE ISOXAZOLE.	(51) International Classification : A 61K 031/42

(71) Name of the Applicant : TORRENT PHARMACEUTICALS LTD.,	
Address of the Applicant : CENTRAL PLAZA, 1 <sup>ST</sup> FLOOR, ROOM # - 106, 2/6 SARAT BOSE ROAD, CALCUTTA-700020, WEST BENGAL, INDIA	
(72) Name of the Inventors : NADKARNI SUNIL SADANAND	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**NEW PROCESS FOR PREPARATION OF BIOLOGICALLY  
ACTIVE ISOXAZOLE**

The present invention discloses a process for the preparation of 5-methyl-N-(4-trifluoromethyl phenyl) isoxazole-4-carboxamide, namely Leflunomide which comprises the steps of:

- (a) reacting 4-trifluoromethyl aniline and 2,2,6-trimethyl-4H-1,3-dioxin-4-one to give acetoacetic acid-4-trifluoromethyl anilide in a manner known per se;
- (b) treating acetoacetic acid-4-trifluoromethyl anilide with dimethyl formamide dimethyl acetal (DMF.DMA) to give a novel intermediate (2E)-2-acetyl-3-dimethylamino-N-4-trifluoromethyl phenyl acrylamide; and
- (c) cyclizing said intermediate with hydroxyl amine hydrochloride to produce Leflunomide.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 251/CAL/2002 A	(22) Date of filing : 01/05/2002
(54) Title : <b>EXTRACTS OF SHARK CARTILAGE HAVING ANTI-COLLAGENOLYTIC, ANTI-INFLAMMATORY, ANTI-ANGIOGENIC AND ANTI-TUMORAL ACTIVITIES AND COMPOSITIONS THEREOF</b>	(51) International Classification : <b>A 61 K 35/00</b>

(71) Name of the Applicant : <b>LES LABORATOIRES AETERNA INC.</b>	
Address of the Applicant : <b>456 MARCONI STREET, PARC JEAN-TALON, QUEBEC, QUEBEC G1N 4A8, CANADA</b>	
(72) Name of the Inventors : <b>DUPONT ERIC, BRAZEAU PAUL, JUNEAU CHRISTINA, MAES DANIEL H, MARENUS KENNETH</b>	
(30) Priority Data :	(31) Document No: <b>08/550003</b>
	(32) Date : <b>30/10/1995</b>
	(33) Country : <b>UNITED STATES OF AMERICA</b>
(61) Patent of addition to Application No. <b>1427/CAL/1996</b> filed on <b>09/08/1996</b>	
(62) Divisional to Application no. filed on	

**Abstract :**

1. A cartilage extract obtained from shark and produced by a method comprising the steps of:

- a) homogenizing the cartilage in an aqueous solution in conditions compatible with the preservation of the integrity of said biologically active components until the cartilage is reduced to particles whose size is lower than or equal to about 500  $\mu\text{m}$ , resulting in a mixture of particles and of a crude liquid extract having said biologically active components;
- b) separating the particles from the crude liquid extract;
- c) separating the crude liquid extract of b) so as to obtain a final liquid extract containing cartilage molecules having a molecular weight lower than or equal to about 500 Kilodaltons (KDa); and
- d) concentrating said final liquid extract, whereby at least a portion of molecules having a molecular weight lower than 100 Daltons is removed.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 252/CAL/2002 A	(22) Date of filing : 02/05/2002
(54) Title : A PROCESS AND APPARATUS FOR THE PRODUCTION F THE FIBRE REINFORCED TERMOLASTIC COMPOSITE AND THE COMPOSITE PRODUCED THEREBY.	(51) International Classification :

(71) Name of the Applicant : PRADIP KUMAR CHOPRA	
Address of the Applicant : 25, PALIT STREET, FLAT 4B, WINDSOR MANOR, CALCUTTA-700019 WEST BENGAL, INDIA .	
(72) Name of the Inventors : PRADIP KUMAR CHOPRA	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A process for manufacturing a fibre re-inforced thermoplastic composite sheet comprises of the following steps.

- a) feeding non-useable and non-recyclable mixed plastic waste/scrap including multi-layered films of polyolefines in an agglomerator;
- b) running said agglomerator conventionally for about two minutes till the entire waste/scrap material is converted into powder.
- c) filling a pre-weighed quantity of said agglomerates in the machine moulds placed one above the other on a trolley and compressing them hydraulically;
- d) heating said agglomerates by passing the said trolley through a heating chamber comprising a pre-heating zone of temperature of about  $140^{\circ}\text{C}$ , a heating zone at a temperature between  $160^{\circ}\text{C}$  and  $180^{\circ}\text{C}$  depending on the polymer present in the agglomerates when the agglomerates are converted into a semi-molten mass and a post-heating zone, prior to passing through the cooling zone and after the post-heating zone the said semi-molten mass being pressed further in form of sheets to prevent the final product from warping or bending

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No.253/CAL/2002 A	(22) Date of filing : 02/05/2002
(54) Title : PROCESS FOR BOTAINING COMPOUNDS USABLE IN THE PRODUCTION OF CEFOTETAN, AND NEW COMPOUNDS OBTAINED THEREBY.	(51) International Classification :

(71) Name of the Applicant : ACS DOBFAR S.P.A.	
Address of the Applicant : VIALE ADDETTA, 6/8/10, 20067, TRIBIANO, MILANO, ITALY	
(72) Name of the Inventors : MAURIZIO ZENONI, ALESSANDRO DONADELLI, MARCO SILVAGNI	
(30) Priority Data :	(31) Document No: MI2001A 000964
	(32) Date : 10/05/2001
	(33) Country : ITALY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A process for obtaining salts of 4-carboxy-3-hydroxy-5-mercapto-isothiazole which are compounds usable in the production of Cefotetan, and new compounds obtained thereby.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 254/CAL/2002 A	(22) Date of filing : 02/05/2002
(54) Title : HIGH TEMPERATURE SUPER-CONDUCTING SYNCHRONOUS ROTOR COIL SUPPORT WITH TENSION RODS AND METHOD FOR ASSEMBLY OF THE COIL SUPPORT.	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : LASKARIS EVANGELOS TIRFON, ALEXANDER JAMES PELLERINO, NUKALA PHANI K, GAMBHEERA RAMESH	
(30) Priority Data :	(31) Document No: 09/855,026
	(32) Date : 15/05/2001
	(33) Country : UNITED STATES OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A rotor for a synchronous machine is disclosed comprising: a rotor; a super-conducting coil winding extending around at least a portion of the rotor, said coil winding having a pair of side sections on opposite sides of said rotor; at least one tension rod extending between the pair of side sections of the coil winding and through conduits in said rotor; and a coil housing at each of opposite ends of said tension rod, wherein said coil housing wraps around said coil winding and is attached to said tension rod.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 255/CAL/2002 A	(22) Date of filing : 02/05/2002
(54) Title : HIGH TEMPERATURE SUPER CONDUCTING ROTOR HAVING A VACUUM VESSEL AND ELECTROMAGNETIC SHIELD AND AN ASSEMBLY METHOD.	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : WANG YU, WEEBER KONRAD ROMAN, SIVASUBRAMANIAM KIRUBA, NYGARD ROBERT JOHN, HUANG XIANRUI	
(30) Priority Data :	(31) Document No: 09/854.937
	(32) Date : 15/05/2001
	(33) Country : UNITED STATES OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on F	

***Abstract :***

A rotor is disclosed for a super-conducting synchronous machine comprising: a rotor core; a super-conducting coil extending around at least a portion of the rotor core, said coil having coil side sections on opposite sides of said rotor core; a vacuum housing covering at least one of said coil side sections, and a conductive shield over said vacuum housing and coil side sections.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 256/CAL/2002 A	(22) Date of filing : 02/05/2002
(54) Title : HIGH TEMPERATURE SUPER-CONDUCTING ROTOR COIL SUPPORT WITH SPLIT COIL HOUSING AND ASSEMBLY METHOD.	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : WANG YU, NYGARD ROBERT JOHN, LASKARIS EVANGELOS TRIFON	
(30) Priority Data :	(31) Document No: 09/854,933
	(32) Date : 15/05/2001
	(33) Country : UNITED STATES OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A rotor is disclosed for a synchronous machine comprising: a rotor core; a super-conducting coil winding extending around at least a portion of the rotor, said coil winding having a side section adjacent a side of the rotor core; at least one tension rod extending through a conduit in said rotor core; and a housing attached to the tension rod and connected to the side section of the coil winding, wherein the housing comprises a pair of side panels.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 257/CAL/2002 A	(22) Date of filing : 03/05/2002
(54) Title : AUTOMATIC ELECTRICAL PHASE CHANGER.	(51) International Classification : H 03H 7/18

(71) Name of the Applicant : DAS SUJAL	
Address of the Applicant : P. S. BONIK SARANI, POST-HALISAHAR, 24 PGS (N) PIN-743134, STATE-WEST BENGAL	
(72) Name of the Inventors : DAS SUJAL	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Invention provides an automatic electrical phase changer for a 3-phase motor to resist the phase changes of the electrical energy in the supply line before it enters the instrument comprising at least 3 transformers, 3 Relay Switches, 3 diodes and 3 condensers; all are connected to the Triple Pole – 2 way Magnetic phase change Relay Switch in such a way that as soon as the phase changes occur in the supply line one of the Relay Switch (RL<sub>2</sub>) starts working, it will be 'ON' and the magnetic change over Relay Switch (Phase Change Relay Switch) also become ON with it and phase change is prevented as in this position of the phase change Relay Switch, the current is allowed to follow a different path in the switch to restore the original path of the current in output line.

This device may also be used as electrical phase change indicator when Magnetic Phase Change Switch is replaced by an indicator lamp and/or sound producing arrangement in the circuit and it was so connected with the Relay Switch and the starter that the lamp with glow indicating the phase change and the supply line is automatically cut down from the circuit.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 258/CAL/2002 A	(22) Date of filing : 03/05/2002
(54) Title : SYSTEM AND METHOD FOR PRODUCING EFFICIENT INK DROP DEVELOPMENT WITH A PSEUDO HEXAGONAL GRID PATTERN.	(51) International Classification :  C 09D 11/00

(71) Name of the Applicant : HEWLETT-PACKARD COMPANY	
Address of the Applicant : 3000 HANOVER STREET PALO, ALTO, CALIFORNIA 94304, U.S.A.	
(72) Name of the Inventors : HICKMAN MARKS S, RICHARD WAYNE M, CASTANO JORGE, UNDERWOOD JOHN A, BRUCH XAVIER	
(30) Priority Data :	(31) Document No: 09/909572
	(32) Date : 20/07/2001
	(33) Country : UNITED STATE OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The present invention is embodied in a system and method (100) for producing efficient ink drop overlap filled with a pseudo hexagonal grid pattern. In general, the present invention can include an inkjet printhead assembly (110) that incorporates a preprogrammed correction scheme or schemes [1-n] (704) (herein correction scheme will refer to all applications), for correcting systematic ink drop placement errors of the inkjet printhead (110). The printing system (100) of the present invention uses a unique ink dot pattern, called a pseudo-hexagonal close pack system. The present invention optimizes the addressable grid for dot placement, pseudo hexagonal close pack system, with an efficient geometry for packing circles to fill an area, similar to the hexagonal close pack system. However, the present invention in creating dots on a non-symmetric grid is supported by available software and is not computationally complex.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 259/CAL/2002 A	(22) Date of filing : 03/05/2002
(54) Title : A PROCESS FOR RETTING OF FIBRES.	(51) International Classification : D 21B 1/00

(71) Name of the Applicant : PRITHEESH VARMA	
Address of the Applicant : 4C AUCKLAND SQUARE, KOLKATA 700017	
(72) Name of the Inventors : BANERJI GOUTOM G	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

1. An improved process for the preparation of high grade lecithin, with high recovery of acetone for reuse thereof, said process comprising the steps of :

- a) charging moisture free soy lecithin and acetone into a circulation vessel and agitating the mixture of lecithin and acetone, using a gear pump;
- b) stopping the agitation and allowing the two layers of the acetone in oil upper layer and the lecithin sludge lower layer to stand, settle and separate;
- c) removing the said upper layer of acetone in oil by a vacuum pump to a heater flasher system to the distillation section;

- d) draining the non volatile oil formed as the bottoms extract in the flasher system to a recovered oil receiver;
- e) distilling the acetone in the heater - flasher system and condensing the acetone vapors formed in a two stage shell and tube type water cooled condensers I and II installed in series;
- f) draining condensed acetone flowing under gravity alternately to two members receivers operating under vacuum and draining into the main acetone storage receiver maintained under a nitrogen blanket;
- g) passing uncondensed acetone vapor from condenser II through a pressure reduction valve to a chilled water cooled condenser operating under vacuum;
- h) passing uncondensed acetone admixed with leakage air to a dry type vacuum pump and compressing to atmospheric pressure and passing through an auxiliary condenser cooled by chilled water such that the acetone condensate flows from the auxiliary condenser under gravity directly to the main acetone storage receiver through a dip pipe and flame arrestor;
- i) draining the lecithin "sludge" of step (c) into an intermediate slurry holding tank fitted with an agitator ;
- j) pumping the lecithin "sludge" by a feed pump to two sparkler filters wherein the filtrate is returned to the deoiling process.
- k) discharging the filter cake from the pressure filter by gravity into a wet cake hopper from where it is extracted by a screw type extractor; and
- l) drying the powered high grade lecithin.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 260/CAL/2002 A		(22) Date of filing : 06/05/2002
(54) Title : LOW ENERGY AND HEAT TRANSFER CRUST BREAKING SYSTEM.		(51) International Classification : B 02C 1 00
(71) Name of the Applicant : ROSS OPERATING VALVE COMPANY		
Address of the Applicant : 1250, KIRTS BOULEVARD, TROY, MICHIGAN 48084, U.S.A.		
(72) Name of the Inventors : HORSTMANN THEODOR H, FOSTER JOSEPH E, RUSSELL NEIL E		
(30) Priority Data :	(31) Document No: 09/849,949	
	(32) Date : 04/05/2001	
	(33) Country : UNITED STATES OF AMERICA	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**Abstract :** A pneumatic control system is provided for selectively controlling movement of a pneumatically-operated device between first and second working positions. The pneumatically-operated device includes a working portion and a pneumatic-control portion. The pneumatic-control portion is in fluid communication with a pressurized fluid source and includes a series of valves for selectively manipulating the working portion between the first and second working positions. The pneumatic-control portion further includes a sensing system for holding the working portion in a static mode by selectively applying system pressure to the working portion. In this manner, a more energy efficient system is provided by eliminating the need for continuous application of full line pressure.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 261/CAL/2002 A	(22) Date of filing : 06/05/2002
(54) Title : HYDRAULIC DOUBLE VALVE.	(51) International Classification : F 16K 21/00
(71) Name of the Applicant : ROSS OPERATING VALVE COMPANY	
Address of the Applicant : 1250 KIRTS BOULEVARD, TROY, MICHIGAN 48084, U.S.A.	
(72) Name of the Inventors : SCHABER, HUBERT, SCHNEIL, RICHARD E.	
(30) Priority Data :	(31) Document No: 60/288,853
	(32) Date : 04/05/2001
	(33) Country : UNITED STATES OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A control valve system in which main valves are actuated and deactuated by operation of pilot valves. Actuation of pilot valves causes actuation of the main valves, which enables fluid pressure to be output from the control valve system. The main valves must shift within a predetermined time period in order to prevent an error condition. A timing chamber stores a predetermined amount of fluid to define a time period in which the main valves must shift.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 262/CAL/2002 A	(22) Date of filing : 06/05/2002
(54) Title : DEVICE AT A CARDING MACHINE, CLEANING MACHINE, OPERATING MACHINE AND SIMILAR THINGS FOR FIBRE MATERIAL.	(51) International Classification :  D 01G 15/82

(71) Name of the Applicant : TRUTZSCHLER GMBH & CO. KG.,	
Address of the Applicant : DUVENSTRASSE 82-92, D-41199 MONCHENGLADBACH, GERMANY	
(72) Name of the Inventors : HERR FARBER CHRISTOPH, HERR TOBBEN ROBERT	
(30) Priority Data :	(31) Document No: 10122459.1
	(32) Date : 09/05/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

In case of a device at a carding machine, cleaning machine, opening machine or similar things, for fibrous material, example given, cotton, chemical fibres, at which at a fast running roller covering elements are prevalent, between which at the least two orifices are existent, foreign bodies as trash, seed parts, reed-residues and similar things are separated (segregated) through a first orifice and—seen in the direction of rotation—of the roller is accepted at a second orifice the fibrous material by an air current from the roller.

In order to render possible an adjustment of the fibre acceptance air current and an improved waste quality at a separation (precipitation) point, the force of the air current for the acceptance of the fibrous material at the second orifice is adjustable and the degree of segregation of the foreign bodies through the first opening is changeable.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 263/CAL/2002 A	(22) Date of filing : 06/05/2002
(54) Title : DEVICE FOR THE PURIFICATION OF CYANURIC CHLORIDE.	(51) International Classification :  C 07D 251/28

(71) Name of the Applicant : DEGUSSA AG	
Address of the Applicant : BENNIGSENPLATZ 1 DE-40474 DUSSELDORF GERMANY	
(72) Name of the Inventors : PUSCHNER, KURT, SCHAUHOFF,	
(30) Priority Data :	(31) Document No: 101 23 072.9
	(32) Date : 11/05/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

The present invention relates to a device for the production of cyanuric chloride.

The device has three units for the production, purification and isolation of cyanuric chloride, the second unit having a partial condensation and being set in such a way that the quantity of gaseous pure cyanuric chloride produced is greater than that of the liquid impure cyanuric chloride discharged from it.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 264/CAL/2002 A</i>	<i>(22) Date of filing : 06/05/2002</i>
<i>(54) Title : SILANE-MODIFIED BIPOLYMERIC, BIOLIGOMERIC, OXIDIC OR SILICEOUS FILLER, PROCESS FOR ITS PRODUCTION AND ITS USE.</i>	<i>(51) International Classification :  C 08 K</i>

<i>(71) Name of the Applicant : DEGUSSA AG</i>	
<i>Address of the Applicant : BENNIGSENPLATZ 1 DE-40474 DUSSELDORF, GERMANY</i>	
<i>(72) Name of the Inventors : KORTH, DR. KARSTEN, LUGINSLAND, DR. HANS- DETLEF, HASSE, ANDRE, KIEFER, INGO, HEIDLAS, DR. JURGEN</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 101 22 269.6</i>
	<i>(32) Date : 08/05/2001</i>
	<i>(33) Country : GERMANY</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

***Abstract :***

**Silane-modified biopolymeric, biooligomeric, oxidic or siliceous filler, process for its production and its use**

Silane-modified biopolymeric, biooligomeric, oxidic or siliceous filler obtainable by reacting at least one biopolymeric, biooligomeric, oxidic or siliceous filler in a compressed gas with at least one silane.

The silane-modified biopolymeric, biooligomeric, oxidic or siliceous fillers are used in rubber compounds.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 265/CAL/2002 A</i>	<i>(22) Date of filing : 06/05/2002</i>
<i>(54) Title : A PROCESS TO PREVENT AND DELAY CLOUDING IN PALM OLEIN.</i>	<i>(51) International Classification : C 11D 11/00</i>

<i>(71) Name of the Applicant : MALAYSIAN PALM OIL BOARD</i>	
<i>Address of the Applicant : 6, PERSIARAN INSTITUSI, BANDAR BARU BANGI, 4300 KAJANG, SELANGOR, MALAYSIA.</i>	
<i>(72) Name of the Inventors : IDRIS NOR AINI, JAMALUDIN RADZUAN, HASSAN HANIRAH</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: PI 2001 46454</i>
	<i>(32) Date : 05/10/2001</i>
	<i>(33) Country : MALAYSIA</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

The invention discloses a process to delay clouding in palm olein by the addition of a crystallization inhibitor to the palm olein. The palm olein is first heated to a temperature of between 60 to 140°C. A small proportion of crystallization inhibitor with a hydrophilic - lipophilic balance value between 1 and 16 is added to a sample of palm olein and the mixture is stirred until homogenous. The stirred mixture is then added to the pre-heated palm olein and the resultant mixture is stirred until homogenous and is cooled before packing into individual containers.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 266/CAL/2002 A	(22) Date of filing : 06/05/2002
(54) Title : AUTO AIR KICK PUMP FOR INFLATING TYRES.	(51) International Classification : F 15B 1/00

(71) Name of the Applicant : SOCIETY FRO RESEARCH AND INITIATIVES FOR SUSTAINABLE TECHNOLOGIES AND INSTITUTIONS	
Address of the Applicant : 53 SYED AMIR ALI AVENUE, 4 <sup>TH</sup> FLOOR, CALCUTTA-700019, AND ALSO B/2, SHRI KRISHNA APARTMENT LAD SOCIETY, VASTRAPUR, AHMEDABAD-380015, INDIA	
(72) Name of the Inventors : PATEL ARVINDBHAI RANCHHODBHAI	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**AUTO AIR KICK PUMP FOR INFLATING TYRES****Abstract :**

An auto air kick pump for inflating tyres, comprises:  
a non-return valve (1) attachable to the spark plug hole of the engine cylinder of a vehicle, in which the spark plug is screwed in;

a first nipple (2) attached at one end to the non-return valve and connected at the other end to a pressure guage (4) by means of a first tube (3A);

a second tube (3B) connecting the pressure guage to a second nipple (5), said second nipple being securable to the inlet valve of a tyre to be inflated.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 267/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : DEBUGGING SYSTEM FOR SEMICONDUCTOR INTEGRATED CIRCUIT.	(51) International Classification :  G 06
(71) Name of the Applicant : SONY COMPUTER ENTERTAINMENT INC., Address of the Applicant : 1-1, AKASAKA 7-CHOME, MINATO-KU, TOKYO 107-0052, JAPAN	
(72) Name of the Inventors : SUGAWARA AKIHIKO	
(30) Priority Data :	(31) Document No: 2001-149977
	(32) Date : 18/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

Applied are a plurality of semiconductor integrated circuits having the same configuration as that of LSI which is subjected to debugging, wherewith different internal signals are respectively collected from those under the same operation condition, in which operation of the LSI is analyzed based on the collected internal signals. By doing this, it is not necessary to add output terminals of the LSI or switch the internal signals output from output terminals every period of time. This facilitates the debugging of the entire LSI in low-cost and simple configuration.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 268/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : METHOD OF PREPARATION OF ANTICANCER TAXANES USING 3-TRIALOACETYL-5-OXAZOLIDINE CARBOXYLIC ACIDS.	(51) International Classification :  B 61K 31/00

(71) Name of the Applicant : DABUR INDIA LTD.,	
Address of the Applicant : D-35 INDUSTRIAL AREA, KALYANI, NADIA 741 235, WEST BENGAL, INDIA	
(72) Name of the Inventors : SHARMA DR A P, SAR DR S, MAHANTY DR J S,	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No.	filed on
(62) Divisional to Application no.	filed on

*Abstract :*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 269/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : METHOD OF PREPARATION OF ANTICANCER TAXANES USING 3-[(SUSTITUTED-2-TRIALKYL SILYL) ETHOXYCARBONYL]-5-OXAZOLIDINE CARBOXYLIC ACIDS.	(51) International Classification :  A 61K 31/00

(71) Name of the Applicant : DABUR INDIA LTD.,	
Address of the Applicant : D-35 INDUSTRIAL AREA, KALYANI, NADIA 741 235, WEST BENGAL, INDIA	
(72) Name of the Inventors : SHARMA DR A P, SARKAR DR S, MAHANTY DR J S, .	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**This invention relates to a process for preparation of taxanes**

**Abstract : comprising**

subjecting 7,10-diprotected intermediates 7-O-(2-haloacyl) baccatin III 6c or 7,10-O-di-(2-haloacyl)-10-deacetyl baccatin III 6b to a step of coupling with (4S,5R)-3-[(2-alkyl/aryl-2-trialkylsilyl) ethoxy-carbonyl]-4-aryl-2-substituted-1, 3-oxazolidine-5- carboxylic acid 1 in the presence of a condensation agent, an activating agent and an aromatic hydrocarbon to obtain 7-O-[2-(haloacyl)]-13-[(4S,5R)-4-aryl-2-substituted-3(2-unsubstituted/substituted-2-trialkylsilyl)-ethoxycarbonyl-1, 3-oxazolidinyl-5-carbonyl]baccatin III 7a or 7,10-di-O[2-(haloacyl)]-13-[(4S,5R)-4-aryl-2-substituted-3-(2-unsubstituted/substituted-2-trialkylsilyl)ethoxy-carbonyl-1, 3-oxazolidinyl-5-carbonyl]-10-deacetyl baccatin III 7b:



treating the coupled products 7-O-[2-(haloacyl)]-13-[(4S,5R)-4-aryl-2-substituted-3-(2-substituted-2-trialkylsilyl)ethoxy-carbonyl-1, 3-oxazolidinyl-5-carbonyl]baccatin III 7a or 7,10-di-O-[2[(haloacyl)]-13-[(4S,5R)-4-aryl-2-substituted-3-(2-substituted-2-trialkylsilyl)ethoxycarbonyl-1, 3-oxazolidinyl-5-carbonyl]-10-deacetyl]baccatin III 7b with tetraalkylammonium halide in a haloalkane to obtain free amine of structure 8;

treating free amine 8 with acid chloride or acid anhydride in the presence of a base in a heterogeneous phase to obtain the intermediates of structure 9;

subjecting the intermediates of compound 9 to the deprotection of 2-haloacyl group under mild alkaline condition at  $-20$  to  $+40^{\circ}\text{C}$  for 6-24 h in the presence of ammonia or aliphatic amines or aromatic amines or their combination to obtain paclitaxel or docetaxel.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 270/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : A PROCESS FOR HYDROGENATING ALDEHYDES, KETONES, CARBOXYLIC ACIDS, CARBOXYLIC ACID ESTERS AND NITROAROMATIC COMPOUNDS.	(51) International Classification :  C 07B 35/00

(71) Name of the Applicant : ENGELHARD CORPORATION	
Address of the Applicant : 101 WOOD AVENUE, ISELIN, NEW JERSEY 08830, U.S.A.	
(72) Name of the Inventors : ROBERTS BRIAN D, CARRICK WILLIAM J, THAKUR DEEPAK	
(30) Priority Data :	(31) Document No: 08/490874
	(32) Date : 15/06/1995
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. 1069/CAL/1996 filed on 10/06/1996	

***Abstract***

1. A process for hydrogenating aldehydes, ketones, carboxylic acids, carboxylic acid esters and nitroaromatic compounds which comprises contacting one or more of said materials with the catalyst composition under catalytic hydrogenation conditions.
2. A process for hydrogenating aldehydes, ketones, carboxylic acids, carboxylic acid esters and nitroaromatic compounds which comprises contacting one or more of said materials with the catalyst composition under hydrogenation conditions.
3. A process for hydrogenating aldehydes, ketones, carboxylic acids, carboxylic acid esters and nitroaromatic compounds which comprises contacting said materials with the catalyst composition under catalytic hydrogenation conditions.

Dated this 7th day of MAY, 2002.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 271/CAL/2002 A	(22) Date of filing : 07/05/02
(54) Title : SYNCHRONOUS MACHINE HAVING CRYOGENIC GAS TRANSFER COUPLING TO ROTOR WITH SUPER CONDUCTING COULS	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA.	
(72) Name of the Inventors : DAWSON RICHARD NILS, WANG YU, LASKARIS EVANGÉLOS TRIFON.	
(30) Priority Data :	(31) Document No: 09/854,931
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A cooling fluid coupling (126) is disclosed for providing cooling fluid to a rotor having a super-conducting winding of a synchronous machine and a source of cryogenic cooling fluid. The fluid coupling comprises an inlet cooling tube (156) and an outlet cooling tube (166) in the rotor and coaxial with an axis of the rotor. The inlet cooling tube has an input port coupled to receive inlet cooling fluid (157) from the source of cryogenic cooling fluid (190). The outlet cooling tube has an output port coupled to return cooling fluid (164) from the rotor to source. A stationary motion gap seal (162) separates the input port and output port of the coupling.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 272/CAL/2002 A	(22) Date of filing : 07/05/02
(54) Title : A HIGH POWER DENSITY SUPER CONDUCTING ELECTRIC MACHINE.	(51) International Classification : H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 1234, USA.	
(72) Name of the Inventors : DAWSON RICHARD NILS, WANG YU, LASKARIS EVANGELOS TRIFON.	
(30) Priority Data :	(31) Document No: 09/854 944
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract***

A high power density synchronous machine is disclosed comprising: a stator having conventional stator coils arranged in an annulus around a vacuum cylindrical cavity; a magnetically saturated cylindrical magnetic solid rotor core; a race-track super-conducting coil winding extending around the rotor core, and a coil support extending through the core and attaching to opposite long sides of the coil winding.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 273/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : METHOD AND SYSTEMS FOR MANAGING SUPPLY CHAIN PROCESS.	(51) International Classification : B 65G 63/00

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 1234, USA.	
(72) Name of the Inventors : WHITENACK JOHN DAVID, HOLT SHAWN ERIC, CISMOSKI JEFFREY JOHN, MOATS MARGO TEETZEL, DRESS MATTHEW DUANE, STEPIC FRANCIS GERARD, JOHNSON PAUL EDWARD, GRAY LANELL SCOT, BROCKLEHURST CRAIS LEONARD.	
(30) Priority Data :	(31) Document No: 09/900,737
	(32) Date : 06/07/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract***

A web-based supply chain system (10) manages internal users, suppliers, and external customers to improve business productivity. The web-based system includes a server (12), at least one computer (14), and a network that couples the computer to the server. The server is configured with a database (20) of supply chain business information. The server also includes a plurality of user interfaces that are associated with business transactional applications. Furthermore, the server allows a user to access (82) and retrieve the supply chain business transactional applications. The data is available for users, suppliers, and customers to view through a secure connection to a business entity's server system.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 274/CAL/2002 A</i>	<i>(22) Date of filing : 07/05/2002</i>
<i>(54) Title : HIGH TEMPERATURE SUPERCONDUCTING ROTOR POWER LEADS.</i>	<i>(51) International Classification : H 02K 21/26</i>

<i>(71) Name of the Applicant : GENERAL ELECTRIC COMPANY</i>	
<i>Address of the Applicant : ONE RIVER ROAD , SCHENECTADY , NEW YORK 1234 USA</i>	
<i>(72) Name of the Inventors : LASKARIS EVANGELOS TRIFON , ALEXANDER JAMES PELLEGRINO.</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 09/855,034</i>
	<i>(32) Date : 15/05/2001</i>
	<i>(33) Country : USA</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

The resistive power leads of a high temperature superconducting (HTS) rotor field coil are located in vacuum near the rotor axis and are cooled by thermal conduction to the return flow path (20) by bonding the leads to the tubing bulkhead (18) through ceramic insulators (22). The lead length, cross-section and electrical resistivity are optimized for minimum heat conduction and ohmic resistance heat transfer to the cold gas. Thermal expansion or contraction of the leads is accommodated by flexible sections at the warm and cold end of the leads.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 275/CAL/2002 A	(22) Date of filing : 07/05/2002
(54) Title : HIGH TEMPERATURE SUPER-CONDUCTING ROTOR COIL SUPPORT WITH TENSION RODS AND BOLTS AND ASSEMBLY METHOD .	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY,	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 1234 USA	
(72) Name of the Inventors : LASKARIS EVANGELOS TRIFON, ALEXANDER JAMES PELLEGRINO.	
(30) Priority Data :	(31) Document No: 09/854,946
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. . filed on	
(62) Divisional to Application no. . filed on	

***Abstract :***

A rotor is disclosed for a synchronous machine comprising: a rotor core; a super-conducting coil winding extending around at least a portion of the rotor core, said coil winding having a side section adjacent a side of the rotor core; at least one tension rod extending through a conduit in said rotor core; at least one tension bolt extending between an end of the tension rod and abutting the side section of the coil winding; and a channel housing attached to the tension bolt and the coil winding.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 276/CAL/2002 A	(22) Date of filing : 08/05/2002.
(54) Title : NOVEL TECHNOLOGY FOR MANUFACTURING BIO-FRIENDLY KRAFT PAPER REINFORCED WITH JUTE CLOTH FOR PACKAGING APPLICATIONS & LOW-COST JUTE BAGS.	(51) International Classification :  B 65B 25/00

(71) Name of the Applicant : INDIAN JUTE INDUSTRIES RESEARCH ASSOCIATION.
Address of the Applicant : 17 TARATILA ROAD, CALCUTTA-700 088, WEST BENGAL, INDIA.

(72) Name of the Inventors : GUHA ROY DR. TK,	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

Abstract :



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 277/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : HIGH TEMPERATURE SUPER-CONDUCTING SYNCHRONOUS ROTOR HAVING AN ELECTROMAGNETIC SHIELD AND METHOD FOR ASSEMBLY.	(51) International Classification :  H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY,	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA.	
(72) Name of the Inventors : WANG YU, NYGARD ROBERT JOHN, LASKARIS EVANGELOS TRIFON, URBahn JOHN ARTHUR,	
(30) Priority Data :	(31) Document No: 09/854,938
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A rotor is disclosed for a synchronous machine comprising: a rotor core; a super-conducting coil winding extending around at least a portion of the rotor core, the coil winding having a pair of side sections on opposite sides of the rotor core; and a conductive shield around the rotor core and covering the coil winding.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 278/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : HIGH TEMPERATURE SUPER-CONDUCTING ROTOR COIL SUPPORT AND COIL SUPPORT METHOD.	(51) International Classification :  H 02K 21/06

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY.	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, USA.	
(72) Name of the Inventors : WANG YU, LASKARIS EVANGELOS TRIFON, NUKALA PHANI K.	
(30) Priority Data :	(31) Document No: 09/854,940
	(32) Date : 05/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract**

A rotor for a synchronous machine is disclosed comprising: a rotor core; a super-conducting coil winding extending around at least a portion of the rotor core, said coil winding having a coil end section adjacent an end of said rotor core, and a coil support bracing said end section and being thermally isolated from said rotor core.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 279/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : INCINERATOR WITH A DRYER AND A CONTROL UNIT FOR CONTROLLING TEMPERATURE IN THE DRYER.	(51) International Classification :  F 23G 5/04, 5/50

(71) Name of the Applicant : LIN DAI-YOU	
Address of the Applicant : 10F-1, NO. 48, WU-CHUAN WU ST., HIS DIST., TAICHUNG CITY, TAIWAN.	
(72) Name of the Inventors : LIN DAI-YOU	
(30) Priority Data :	(31) Document No.:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**      **INCINERATOR WITH A DRYER AND A CONTROL UNIT FOR CONTROLLING TEMPERATURE IN THE DRYER**

An incinerator includes a furnace 10, a heat-insulating shield 20, an air conduit 213, an air blower 86, and a dryer 90. The heat-insulating shield 20 has a top wall 211, a vertically extending peripheral wall 21 that extends downwardly from the top wall 211 and that surrounds and that is spaced apart from the furnace 10 by a gap 101, and an open bottom end 212. The peripheral wall 21 of the heat-insulating shield 20 has an air outlet 213 that is disposed adjacent to the top wall 211 and that is in fluid communication with the gap 101. Atmospheric

air is introduced via the open bottom end 212 through the gap 101 and the air conduit and into the dryer 90. A feed motor 35 is used to deliver solid waste into the furnace 10. A control unit controls rotating speed of the feed motor 35 based on temperature in the dryer 90 so as to adjust the temperature in the dryer 90.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 280/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : INCINERATOR WITH AN ASH CONTROL UNIT.	(51) International Classification : F 23G 5/50

(71) Name of the Applicant : LIN DAI-YOU,	
Address of the Applicant : 10F-1, NO. 48, WU-CHUAN WU ST., HIS DIST., TAICHUNG CITY, TAIWAN.	
(72) Name of the Inventors : LIN DAI-YOU	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**INCINERATOR WITH AN ASH CONTROL UNIT****Abstract :**

An incinerator includes a furnace 20 with a supporting plate 26 that defines a combustion chamber 25 thereabove and an ash receiving chamber 21 therebelow in the furnace 20. An ash control unit includes a partitioning member 22 that divides the ash receiving chamber into upper and lower ash chambers 211, 212 and that defines a vertically extending ash channel 213 communicated with the upper and lower ash chambers 211, 212. A rake 73 is disposed over the partitioning member 22 for stirring and permitting uniform distribution of the high temperature ash on the partitioning member 22 and for moving the high temperature ash into the ash channel 213. A rotary member 40 is disposed rotatably in the ash channel 213 and is formed with a plurality of angularly spaced apart fins 41 which carry the high temperature ash falling from the upper ash chamber 211 to the lower ash chamber 212.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 281/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : ADJUSTABLE AIR STREAM INTRODUCING DEVICE.	(51) International Classification : A 62B 11/00

(71) Name of the Applicant : LIN DAI-YOU	
Address of the Applicant : 10F-1, NO. 48, WU-CHUAN WU ST., HIS DIST., TAICHUNG CITY, TAIWAN.	
(72) Name of the Inventors : LIN DAI-YOU	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**ADJUSTABLE AIR STREAM INTRODUCING DEVICE**

An adjustable air stream introducing device for reinforcement of a blowing power of a primary air stream flowing through a duct (13), includes a tubular coupler (10) disposed downstream of the duct (13) to confine an annular space (16). A surrounding seat member (20) is disposed securely in the annular space (16), and has a plurality of internal ports (28) angularly displaced from one another. A surrounding sash member (30) has a plurality of external ports (38), and overlies on and is turnable relative to the seat member (20) via a motor-driven actuator member (40) so as to adjust the overlying areas of the external and internal ports (28, 38), thereby adjusting the amount of the introduced air stream through the annular space (16).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 282/CAL/2002 A	(22) Date of filing : 08/05/2002
(54) Title : INCILERATOR WITH A HEAT-INSULATING SHIELD.	(51) International Classification : F 23G 5/24

(71) Name of the Applicant : LIN DAI-YOU	
Address of the Applicant : 10F-1, NO. 48, WU-CHUAN WU ST., HIS DIST., TAICHUNG CITY, TAIWAN.	
(72) Name of the Inventors : LIN DAI-YOU	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

1. An incinerator characterized by:
  - a furnace 10 adapted to incinerate solid waste and including a vertically extending peripheral wall
  - 11 having a bottom section 111 defining a main combustion chamber 121, an intermediate section 112 extending upwardly from said bottom section 111 to define an auxiliary combustion chamber 122, and a top section 114 extending upwardly from said intermediate section 112 and formed with an effluent outlet 44 for exit of a combustion gas generated in said main and auxiliary combustion chambers 121, 122;
  - a cyclone separator 40 connected to said effluent outlet 44 for receiving the combustion gas

- 15 from said furnace 10,  
a heat-insulating shield 20 having a top wall 211, a vertically extending peripheral wall 21 that extends downwardly from said top wall 211 and that surrounds and that is spaced apart from said  
20 peripheral wall 11 of said furnace 10 by a gap 101, and an open bottom end 212, said top section 114 of said peripheral wall 11 of said furnace 10 extending outwardly through said top wall 211, said effluent outlet 44 being disposed outwardly of said heat-  
25 insulating shield 20, said peripheral wall 21 of said heat-insulating shield 20 having an air outlet 213 that is disposed adjacent to said top wall 211 and



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 283/CAL/2002	(22) Date of filing :08/05/2002
(54) Title :HIGH TEMPERATURE SUPER CONDUCTING COILS SUPPORTED BY AN IRON CORE ROTOR.	(51) International Classification : H 02K 21/26

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK, USA.	
(72) Name of the Inventors: LASKARIS EVANGELOS TRIFON,:	
(30) Priority Data :	(31) Document No: 09/854,939
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A rotor for a synchronous machine is disclosed comprising: a cylindrical magnetic solid rotor core; a race-track super-conducting coil winding extending around the rotor core; a coil support extending through the core and attaching to opposite long sides of the coil winding, and a pair of end shafts extending axially from said core and attached to the core.

**PUBLICATION AFTER 18 MONTHS\***

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 286/CAL/2002 A</i>	<i>(22) Date of filing : 09/05/2002</i>
<i>(54) Title :DIP COATING COMPOSITIONS CONTAINING STARCH OR DEXTRIN.</i>	<i>(51) International Classification : A 61K 9/58</i>

<i>(71) Name of the Applicant : MCNEIL – PCC, INC,</i>	
<i>Address of the Applicant : GRANDVIEW ROAD, SKILLAMAN, NEW JERSEY 08558, USA.</i>	
<i>(72) Name of the Inventors :GULIAN CYNTHIA, GOWAN WALTER JR, SZYMCZAK CHRISTOPHER, PAPALINI MICHELE, CHEN HEN-CHI, BUNIC FRANK J,</i>	
<i>(30) Priority Data ;</i>	<i>(31) Document No: 60/291 127</i>
	<i>(32) Date : 15/05/2001</i>
	<i>(33) Country : USA</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

Water soluble, gelatin-free dip coatings for tablets and capsules comprising sucrose, glycerin and pre-gelatinized starch and/or tapioca dextrin or comprising hydroxypropyl starch, thickener, and plasticizer.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 287/CAL/2002 A	22) Date of filing : 09/05/2002
(54) Title : DIP COATING COMPOSITIONS CONTAINING CELLULOSE ETHERS	(51) International Classification : A 61K 9/58

(71) Name of the Applicant : MCNEIL-PPC, INC.,	
Address of the Applicant : GRANDVIEW ROAD, SKILLMAN NEW JERSEY 08558, USA.	
(72) Name of the Inventors : GULIAN CYNHIA, GOWAN WALTER G. JR., PAREKH KISHOR B., MORRIS JOSEPH M., MARKLEY THOMAS J., WIEAND DENNIS C., MCNALLY GERARD P.,	
(30) Priority Data :	(31) Document No: 60/291,127
	(32) Date : 15/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

Water soluble, gelatin-free dip coatings for pharmaceutical solid dosage forms such as tablets comprising HPMC and xanthan gum, carrageenan, and mixtures thereof, or HPMC and castor oil or maltodextrin.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 288/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : STARTER FOR AN ENGINE USING REGENERATIVE BRAKING	(51) International Classification : H 02K 21/26

(71) Name of the Applicant : KABUSHIKI KAISHA MORIC	
Address of the Applicant : 1450-6, MORI,-MACHI, SHUUCHI-GUN, SHIZUOKA-KEN, JAPAN.	
(72) Name of the Inventors : KURITA YOSHIKAZU	
(30) Priority Data :	(31) Document No: 2001-147860
	(32) Date : 17/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

[0034] An improved DC electrical starting motor and method for starting internal combustion engines that reduces starter motor noise in the period after the engine starts by effecting braking of the starter motor shaft at that time. Preferably the braking is accomplished by regenerative braking.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 290/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : SHAFT DRIVE COUPLING	(51) International Classification : F 16D 1/02

(71) Name of the Applicant : F F SEELEY NOMINEES PTY LTD.,	
Address of the Applicant : 1-11 ROTHESAY AVENUE, ST. MARYS, SOUTH AUSTRALIA, AUSTRALIA.	
(72) Name of the Inventors : MILLER DAVID VILLIAM,	
(30) Priority Data :	(31) Document No: 5070
	(32) Date : 11/05/2001
	(33) Country : AUSTRALIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

1 A single piece coupling device for connecting a load component to a rotatable shaft, said device comprising a sleeve having a bore for containing a rotatable shaft, an externally threaded portion and a tapered engagement face on the outer surface of the sleeve, radial compression relief means associated with the tapered engagement face, such that when the device is fitted on a shaft and as the threaded portion engages with a corresponding threaded region on the load component the tapered engagement face engages the load component and the compression relief means enables the sleeve to be radially compressed to grip the shaft.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 291/CAL/2002 A</i>	<i>(22) Date of filing : 10/05/2002</i>
<i>(54) Title : X-RAY IMAGING OPTICAL CAMERA APPARATUS AND METHOD OF USE.</i>	<i>(51) International Classification : G 03C 5/16</i>

<i>(71) Name of the Applicant : GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY INC.,</i>	
<i>Address of the Applicant : 3000 NORTH GRANDVIEW BOULEVARD, WAUKESHA, WISCONSIN 53188, U.S.A.</i>	
<i>(72) Name of the Inventors : CURTIS STEVEN EMERSON, ANDERTON RICHARD LARRY</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No:09/867,820</i>
	<i>(32) Date : 30/05/2001</i>
	<i>(33) Country : U.S.A.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

An electronic video camera apparatus (100) is provided for focusing light rays from object plane (112) proximate image intensifier of a medical x-ray imaging system onto an image plane (114) proximate a light sensor (110). The electronic video camera (100) includes a lens system (120, 124) located between the object and image planes to focus light rays from the object plane (112) onto the image plane (114). The light rays at the object plane (112) are representative of a patient image. An optical filter (144, 170) is located between the object and image planes (112, 114) and partially blocks light rays passing there through. The optical filter (144, 170) includes at least first and second filter regions (192, 200, 202) having different opacity. The first and second filter regions (192, 200, 202) are alignable with the lens system (120, 124) at different times to block differing first and second amounts of light rays, respectively, associated with differing first and second x-ray amounts transmitted at different times.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 292/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : SYSTEM FOR ELECTRONICALLY SUBMITTING AND MONITORING COPY REPRODUCTION JOBS.	(51) International Classification : H 04B 5/04

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : NABB ROBERT WILLIAM, ANDERSON DAVID THOMAS, SHUMAKER LANCE CHRISTOPHER, RICE DAVID ANDREW, DARPEL DAVID MARK	
(30) Priority Data :	(31) Document No: 09/900,684
	(32) Date : 06/07/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Employees (902) of an organization access an application (906) to electronically submit orders for copy reproductions to a copy reproduction service provider (912). Using the application (906), an employee (902) can select the desired copy reproduction service and begin to complete the appropriate order form (300, 400, 500). Once the order form (300, 400, 500) is completed the employee (902) selects the file or files with the material to be processed. The order information and files are then stored in a database (910), which can be accessed by the copy reproduction service provider (912) through a service provider application (916). Using the service provider application (916), the copy reproduction service provider (912) can view details of the order, download any required files and update the status of the order. The employee (902) can view the status of an order, as it is updated, with the application (906). Finally, when the copy reproduction service provider (912) completes an order, the copy reproduction service provider (912) can distribute the order as instructed by the employee (902).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 293/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : WEB PAGE AUTHORIZING TOOL.	(51) International Classification : G 06

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : GORMAN WILLIAM PHILLIP, OSTER SCOTT WILLIAM, KNIFFIN BETHANY BLEIL	
(30) Priority Data :	(31) Document No: 09/917,435
	(32) Date : 27/07/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

An authoring tool (102) can be used by an author, who may or may not have programming experience, to create complex input forms for the Internet. The authoring tool (102) provides visual components that permit an author to build both the layout and functionality of the input form without writing any programming code. The author can select an input field to be inserted in the input form from a list of input types. The author can then customize the visual layout and appearance of the input fields and can incorporate dynamic behavior into the input form by associating events, actions and error checking with each input field. The authoring tool (102) also provides a preview frame (206) that interactively shows the author the appearance of the input form, as the author is building the input form. Finally, once the author is satisfied with the input form that is being created, the author can use the authoring tool (102) to generate a file or web page (104) that is executable on the client side by any web browser (206).



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 294/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : ANTICANCEER TAXANES SUCH AS PACLITAXEL, DOCETAXEL AND THEIR STRUCTURAL ANALOGS, AND A METHOD FOR THE PREPARATION THEREOF.	(51) International Classification : A 61K 9.00

(71) Name of the Applicant : DABUR INDIA LTD..	
Address of the Applicant : D-35 INDUSTRIAL AREA, KALYANAI, NADIA 741 235, WEST BENGAL, INDIA	
(72) Name of the Inventors : SHARMA DR A P, SARKA DR S, MAHANTY DR J S,	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 295/CAL/2002 A	(22) Date of filing : 10/05/2002
(54) Title : <i>DEVICE AND PROCESSES FOR THE TRANSMISSION AND IMPLEMENTATION OF CONTROL INSTRUCTIONS FOR ACCESS TO FUNCTIONALITIES OF RECEIVERS.</i>	(51) International Classification : H 04B 14/02

(71) Name of the Applicant : THOMSON LICENSING, S.A.	
Address of the Applicant : 46 QUAI A. LE GALLO, F-92100 BOULOGNE-BILLANCOURT, FRANCE	
(72) Name of the Inventors : LENSENNE LAURENT, PASQUIER FREDERIC	
(30) Priority Data :	(31) Document No: 0106771
	(32) Date : 23/05/2001
	(33) Country : FRANCE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

**Devices and processes for the transmission and implementation of control instructions for access to functionalities of receivers**

The present invention relates to a device and to a process for transmitting control instructions for access to functionalities of receivers (2), as well as to a corresponding device and process for implementing control instructions.

The transmission device comprises means (14) for registering permission identifiers (PERM) in service announcement messages (MSG) intended for the receivers, preferably ATVEF service or system service announcement messages. The permission identifiers, which consist of indicators each having a value chosen from an authorization value and a prohibition value relating to access to at least one of the functionalities of the receivers, are advantageously registered in variable-length authentication fields of the messages. The implementation device comprises means (24) for reading these permission identifiers from the service announcement messages received.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 297/CAL/2002 A	(22) Date of filing : 13/05/2002
(54) Title : PARPERLESS RECORDS IN AIRCRAFT MAINTENANCE.	(51) International Classification : G 11B 7/00

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : 1 RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : WARNER GREGORY RADE, PETERS DAVID ALAN, MURPHY PAUL MICHAEL, MOLEZZI MICHAEL JOSEPH	
(30) Priority Data :	(31) Document No: 09/931.348
	(32) Date : 16/08/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

A document management system. The system uses well known MACs, Message Authentication Codes, or equivalents. In general, an MAC is used to authenticate a copy of a document. First, the document (18) is fed to a specific algorithm (24), which produces the MAC (27). Then a copy-to-be-verified is fed to the same algorithm (24). If the same MAC (27) is obtained, the copy is taken as authenticated. Under the invention, when maintenance is undertaken on an aircraft (3), a technician uses a computer (6) to generate a digital document (18) describing the maintenance. An MAC (27) is generated for the digital document (18). The technician encrypts the MAC (27), using the technician's encryption key (33). The encrypted MAC (34) is attached to the digital document (18), and the pair is stored. Now, any copies of the document (18) can be validated by (1) de-crypting the MAC (27) and (2) validating the document using the MAC (27). In one embodiment, no paper documents are generated, nor signed, at the time of the maintenance.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 298/CAL/2002 A	(22) Date of filing : 13/05/2002
(54) Title : METHOD FOR PURIFYING 5'-PROTECTED THYMIDINES AND NOVEL DERIVATIVES THEREOF.	(51) International Classification : A 61K 9/08
(71) Name of the Applicant : MITSUI CHEMICALS INC.,	
Address of the Applicant : 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN	
(72) Name of the Inventors : KOMATSU HIRONORI, KOUNO TOSHIYUKI, TSUCHIYA KATSUTOSHI, TANIKAWA HIROHARU	
(30) Priority Data :	(31) Document No: 2001-144278
	(32) Date : 15/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**This invention provides a method for efficiently purifying 5'-protected thymidines which cannot be efficiently purified by the prior art. Impurities can be separated by obtaining crystals including a carbonyl-containing solvent to provide a highly pure 5'-protected thymidine. Thus, this invention allows 5'-protected thymidines, which cannot be purified in an industrial scale by the prior art, to be easily provided with a high purity in a large scale.**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 299/CAL/2002 A</i>	<i>(22) Date of filing : 13/05/2002</i>
<i>(54) Title : SHELL AND PLATE HEAT EXCHANGER.</i>	<i>(51) International Classification : F 28D 1/03</i>

<i>(71) Name of the Applicant : DELAWARE CAPITAL FORMATION INC.,</i>	
<i>Address of the Applicant : 1403 FOULK ROAD NO/102, WILMINGTON, DELAWARE 19803-2755, U.S.A.</i>	
<i>(72) Name of the Inventors : MATHUR ACHINT P., FULMER JASON MICHAEL</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 60/302,219</i>
	<i>(32) Date : 29/06/2001</i>
	<i>(33) Country : U.S.A.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** The present invention relates to a plate heat exchanger and its method of construction.

A pair of round corrugated heat transfer plates provide a cassette with the  
 5 corrugations of one heat exchanger plate angled relative to the other so as to form angular channels for fluid flow of a primary fluid and a secondary fluid. A plurality of the corrugated cassettes are contained within a housing and are provided with a pair of port holes. The housing is in the form of a cylindrical shell and includes a bottom cover member and a top cover member. The cylindrical shell has an inlet nozzle and an outlet nozzle on opposed sides of the shell for the secondary fluid while the top cover member is provided with an inlet nozzle and an outlet nozzle for a primary fluid. The nozzles of the top cover member are aligned with port holes formed in each of the cassettes. Depending on the type of use, either the portholes or the cassette outer edge may be welded, with gaskets used alternately on the fouling

- 15 side(s). A gasketed or semi-gasketed heat exchanger allows the unit to be cleaned on the gasketed side of the unit when fouling is a concern. A spring device is provided on the bottom of the housing to compensate for any mechanical or thermal expansion of the cassettes that may occur during operation of the heat exchanger. Also, a special seal is provided for preventing short-circuiting of the fluid as it passes through the
- 20 heat exchanger.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 300/CAL/2002 A	(22) Date of filing : 13/05/2002
(54) Title : ALL WELDED PLATE HEAT EXCHANGER.	(51) International Classification : F 28C 3/04

(71) Name of the Applicant : DELAWARE CAPITAL FORMATION INC.,	
Address of the Applicant : 1403 FOULK ROAD NO. 102, WILMINGTON DELAWARE 19803-2755, U.S.A.	
(72) Name of the Inventors : MATHUR ACHINT P., GU CHUABAO, FULMER JASON MICHAEL	
(30) Priority Data :	(31) Document No: 60/302,219
	(32) Date : 29/06/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

The invention relates to an all-welded plate heat exchanger comprised of a plurality of plates welded together to form cassettes that are stacked one upon the other so as to provide primary and secondary alternating channels through which fluids are adapted to flow for exchanging heat. The primary channels provided within the cassettes connect at opposite ends with inlet and outlet openings. The cassettes are welded along two opposing sides via resistance seam welding. Baffle clips are fastened between the cassettes to partially close off the sides of the secondary channels provided between the cassettes. Two inlet headers, two outlet headers, a top cover member and a bottom cover member enclose the stacked cassettes.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 301/CAL/2002 A	(22) Date of filing : 14/05/2002
(54) Title : APPARATUS FOR COMPRESSING FLUID.	(51) International Classification :

(71) Name of the Applicant : SAMSUNG GWANGJU ELECTRONICS CO. LTD., Address of the Applicant : 271, OSEON-DONG, GWANGSAN-GU, GWANGJU- CITY, REPUBLIC OF KOREA	
(72) Name of the Inventors : KIM GUI-GWON, LEE SUNG-TAE, JANG KYUNG- TAE	
(30) Priority Data :	(31) Document No: 2001-75756
	(32) Date : 03/12/2001
	(33) Country : REPUBLIC OF KOREA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

An apparatus for compressing fluid comprises: a cylinder block including a cylinder bore with a predetermined diameter penetrating the cylinder block in a lengthwise direction, at least one fluid suction port penetrating in a direction intersecting with the cylinder bore, and at least a pair of fluid discharge ports preferably of a slot shape and having one opening formed at both end portions of the cylinder bore; a piston for reciprocally moving within the cylinder bore; a discharge valve assembly movably disposed at the cylinder bore in order to selectively open and close the fluid discharge ports of the cylinder block, the discharge valve assembly including a valve piston having a flange for limiting movement of the discharge valve assembly; and a cylinder head for forming a discharge chamber communicating with the fluid discharge ports by a connection to



the cylinder block, and the cylinder head having a fluid discharge passage of the discharge chamber. The fluid is drawn as the fluid suction port is selectively opened by the piston reciprocally moving in the cylinder bore and discharged through the fluid discharge ports opened by the movement of the valve piston as the pressure of the fluid in the cylinder bore increases beyond a predetermined threshold thereby improving the efficiency of the compressor. The structure of the compressor is simpler since a separate suction valve is not needed. Moreover, the compressed fluid is fully discharged, and a clearance volume in a conventional cylinder bore can be eliminated or minimized.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 302/CAL/2002 A <sup>(302/CAL/2002A)</sup>	(22) Date of filing : 14/05/2002
(54) Title : CRYOGENIC SYSTEM FOR ROTOR HAVING A HIGH TEMPERATURE SUPER CONDUCTING FIELD WINDING..	(51) International Classification :
(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : LASKARIS EVANGELOS TRIFON	
(30) Priority Data :	(31) Document No: 09/854,943
	(32) Date : 15/05/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A fluid compressing apparatus for drawing, compressing and discharging a fluid including a cylinder block having a cylinder bore of a predetermined diameter penetrating through the cylinder block in a lengthwise direction, a discharge chamber having a diameter larger than the diameter of the cylinder bore, and at least one fluid suction port penetrating into the cylinder block in a substantially perpendicular direction with respect to the lengthwise direction of the cylinder bore, the cylinder block using a certain space thereof that is interconnected with the discharge chamber of the cylinder bore as a fluid discharge port; a piston movably disposed in the cylinder bore of the cylinder block to be linearly reciprocated; a discharge valve assembly having a valve plate disposed to be resiliently biased from the

discharge chamber toward the fluid discharge port so as to selectively open or close the fluid discharge port of the cylinder block; and a cylinder head disposed at an end of the discharge chamber of the cylinder block, and having a fluid discharge channel interconnected with the discharge chamber. Since the piston serves to open and close the suction port while linearly reciprocating within the cylinder bore, there is no need for a separate suction valve assembly. Also, since the valve plate separates from and opens the discharge port, as a result of the high pressure of the fluid in the cylinder bore, the compressed fluid is completely discharged. Accordingly, a clearance volume in the cylinder bore is minimized, and compression efficiency is improved.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 303/CAL/2002 A</i>	<i>(22) Date of filing : 14/05/2002</i>
<i>(54) Title : SPEED REDUCER PROTECTION STRUCTURE FOR CERTIFICATION AND PACKAGING.</i>	<i>(51) International Classification : B 6 S B 31 / 00 B 6 S D 81 / 20</i>

<i>(71) Name of the Applicant : LIN DENG-YI</i>	
<i>Address of the Applicant : NO.2-6, CHUNG-HIS RD., NANG-YEN TSUN, YEN-CHAO HSIANG, KAOHSIUNG HSIEN, TAIWAN, REPUBLIC OF KOREA</i>	
<i>(72) Name of the Inventors : LIN DENG-YI</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 091204691</i>
	<i>(32) Date : 11/04/2002</i>
	<i>(33) Country : TAIWAN REPUBLIC OF KOREA</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

A speed reducer protection structure for certification and packaging provides a protection means to facilitate certification for marketing and repairs and maintenance. A soft film is provided with a thick film to cover and adhere to the main body of the speed reducer in a flat and intimate manner, and a thin film to seal an oil inlet, a transmission spindle and screws to isolate and prevent air, water and salty elements from entering into the speed reducer so that the speed reducer may become erosion-resistant. The protection film also serves package function.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 305/CAL/2002 A</i>	<i>(22) Date of filing : 14/05/2002</i>
<i>(54) Title : DYNAMIC SEALING DEVICE FOR GEAR REDUCER.</i>	<i>(51) International Classification : F 16J 15/00</i>

<i>(71) Name of the Applicant : ROSSI MOTORIDUTTORI S.P.A.</i>	
<i>Address of the Applicant : VIA EMILIA OVEST, 915/A, 41100 MODENA, ITALY</i>	
<i>(72) Name of the Inventors : BAVUTTI MARIO</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: MO20001A000108</i>
	<i>(32) Date : 29/05/2001</i>
	<i>(33) Country : ITALY</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

***Abstract :***

A dynamic sealing device for a gear reducer (R) of the type constituted by a box-like body (C), which is provided with an inlet (2) for a driving shaft (3) and an outlet for a driven shaft and inside which a gear-type reduction assembly is provided adapted to transmit motion from the driving shaft to the driven shaft, comprises, interposed between the driving shaft and the inner rim of the inlet, an annular element (4) for sealing the lubricant of the assembly, which is mounted coaxially and rigidly with respect to the driving shaft and around which a helical containment profile (6) wraps; the profile, in the active configuration of the gear reducer, is adapted to repel toward the inside of the body the lubricant that exits from the inlet.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 306/CAL/2002 A	(22) Date of filing : 14/05/2002
(54) Title : HYDRAULIC BALANCED BRAKING SYSTEM.	(51) International Classification :

(71) Name of the Applicant : JUAN, CHIN-CHEN	
Address of the Applicant : NO. 278 LAN TAN, TUNG-YANG HSIN-CHUN CHIAYI CITY, TAIWAN	
(72) Name of the Inventors : JUAN, CHIN-CHEN	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A hydraulic balanced braking system, comprising two oil pressure cylinders, two hydraulic brakes, and an oil-pressure balance unit. The two oil pressure cylinders are mounted close to braking handles. The oil-pressure balance unit is inserted between the two oil pressure cylinders and the two hydraulic brakes and further comprises two parallelly oriented oil cylinders, two primary pistons, two secondary pistons, and a connecting plate. Two inlets at upper sides of the two oil cylinders are connected with the two oil pressure cylinders, respectively, transmitting oil pressure from the two oil pressure cylinders to the two primary pistons. The two secondary pistons are mounted below and driven downward by the two primary pistons, respectively, thus generating oil pressure and via two outlets driving a braking movement of the two hydraulic brakes. The connecting plate is fastened to upper ends of the two secondary pistons, so that upon a downward movement of one of the primary pistons both of the secondary pistons are driven downward, simultaneously generating oil pressure in both of the hydraulic brakes.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 307/CAL/2002 A	(22) Date of filing : 15/05/2002
(54) Title : AN AUTOMATED IRRIGATION SYSTEM.	(51) International Classification : A 01G 25/16

(71) Name of the Applicant : INDIAN INSTITUTE OF TECHNOLOGY	
Address of the Applicant : KHARAGPUR, PIN-721 302, WEST BENGAL, INDIA	
(72) Name of the Inventors : JOSHI MR. AJAY, TIWARI DR. K. N., BANERJEE DR. SWAPNA	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

An automated irrigation system to irrigate agricultural plots with reference to conditions such as soil moisture levels and /or time. The system is directed to provide a computer controlled irrigation suitable for automated irrigation of small, medium and large size farms. The system employs different lower and upper limits of soil moisture content for starting and stopping irrigation depending upon the crop, stage of a crop as well as set the priority incase two or more plots require irrigation at the same time. The system essentially involves the use of sensor based information from the respective plots to be irrigated. The sensor means are adapted to sense the soil moisture level from the plots and transmit the signals to an interfacing circuitry operatively connected to such sensor means and to a valve operating circuit and microprocessor/ computer means adapted to thereby automatically supply water based on said soil moisture content sensed by the sensor. The system can be adapted to store databases for the commonly grown crops and operate based on such input data. Moreover it would have the option for time and soil moisture based irrigation scheduling.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 308/CAL/2002 A	(22) Date of filing : 15/05/2002
(54) Title : ADHESIVE BANDAGE.	(51) International Classification : A 61L 15/04

(71) Name of the Applicant : JOHNSON & JOHNSON INDUSTRIA E COMERCIO LTDA	
Address of the Applicant : RUA GERIVATIBA 207 SAO PAULO-SP, BRAZIL	
(72) Name of the Inventors : LAFRATTA KELI CRISTINA, RANGEL FABIO EDUARDO FARNCA	
(30) Priority Data :	(31) Document No: PI0102637-2
	(32) Date : 17/05/2001
	(33) Country : BRAZIL
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :* Adhesive bandage, comprising an adhesive tape (10, 60) having an external surface and an internal surface, the latter presenting two adhesive end portions (13a) to be seated on and attached to the user's skin, and a median portion (13b) that will be seated on the skin area to be treated, said median portion (13b) carrying a plurality of homogeneously distributed microcapsules (30), which will contact the skin area to be treated, and which are formed in a pharmaceutically acceptable material, said microcapsules (30) being ruptured by external pressure or by dissolution in liquids exuded from the skin, and each microcapsule (30) containing at least one active agent presenting at least one of the anesthetic, antiseptic, hemostatic, healing, and antibiotic functions.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 309/CAL/2002 A</i>	<i>(22) Date of filing : 15/05/2002</i>
<i>(54) Title : COMPRESSOR DISCHARGE VALVE.</i>	<i>(51) International Classification :</i>

<i>(71) Name of the Applicant : COPELAND CORPORATION</i>	
<i>Address of the Applicant : 1675 W. CAMPBELL ROAD, SIDNEY, OHIO 45365-0669</i>	
<i>(72) Name of the Inventors : CHEN, JIANXIONG</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 09/947,073</i>
	<i>(32) Date : 05/09/2001</i>
	<i>(33) Country : U.S.A.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

A discharge valve is provided for implementation between a discharge pressure zone and a discharge chamber. The discharge valve is operable between an open position for enabling fluid flow between the discharge pressure zone and the discharge chamber and a closed position for prohibiting fluid flow between the discharge pressure zone and the discharge chamber. The discharge valve includes a housing defining a cavity and having a flow aperture therethrough. A valve disc is slidably disposed within the housing and is operable for defining the open and closed positions of the discharge valve. The valve disc includes a contoured body for reducing stresses experienced within the valve disc and improving fluid flow therearound.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 312/CAL/2002 A	(22) Date of filing : 16/05/2002
(54) Title : AIR TEXTURED THREAD FIBRE AS WELL AS METHOD FOR ITS PRODDUCTION.	(51) International Classification :

(71) Name of the Applicant : GUTERMANN AG.,	
Address of the Applicant : LANDSTRASSE 1, D-79261 GUTACH-BREISGAU, GERMANY.	
(72) Name of the Inventors : DRESCHER JURGEN, STABENOW MICHAEL, THOMA WILFRIED, THOMA WILFRIED,	
(30) Priority Data :	(31) Document No: 10124162.3
	(32) Date : 17/05/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

**The invention relates to a thread fibre, especially a sewing thread fibre, made of at least one raw yarn, which is produced by air-texturing from at least one roving yarn consisting of individual filaments or individual fibres, where in the air textured raw yarn without refinement the individual filament or individual fibre display an average fineness of less than around 1.2 d tex.**

**The invention pertains, moreover, to a method for production of air textured thread fibre.**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 313/CAL/2002 A	(22) Date of filing : 16/05/2002
(54) Title : AIR BULKED THREAD AS WELL AS PROCESS FOR IT'S MANUFACTURE.	(51) International Classification :

(71) Name of the Applicant : GUTERMANN AG.,	
Address of the Applicant : LANDSTRASSES 1, D-79261 GUTACH-BREISGAU, GERMANY.	
(72) Name of the Inventors : DRESCHER JURGEN, STABENOW MICHAEL, THOMA WILFRIED,	
(30) Priority Data :	(31) Document No: 10124161.5
	(32) Date : 17/05/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The invention refers to a thread, particularly sewing threads, out of at least one raw yarn, which is manufactured through air bulking out of at least one roving yarn made out of individual filaments or individual fibres wherein in the air bulked raw yarn without finishing the individual filaments or individual fibres show an average fineness of less than about 1.2 decitex.

The invention refers besides to a process for manufacture of air bulked threads.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 314/CAL/2002 A	(22) Date of filing : 16/05/2002
(54) Title : USE OF AN AIR BULKED THREAD	(51) International Classification :

(71) Name of the Applicant : GUTERMANN AS	
Address of the Applicant : LANDSTRASSE 1, D- 79261 GUTACH- BREISGAU, GERMANY	
(72) Name of the Inventors : DRESCHER JURGEN , STABENOW MICHAEL , THOMA WILFRIED ,	
(30) Priority Data :	(31) Document No: 1001 24 165.8
	(32) Date : 17/05/2001
	(33) Country : GERMAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

The invention refers to an use of a thread which is made out of at least one raw yarn, which is manufactured through air bulking out of at least one roving yarn made out of individual filaments or individual fibres and in which without equipment the individual filaments or individual fibres show an average fineness of less than about 1.2 decitex, as sewing thread in at least one input area for threads with a label number of more than about No 100 or a fineness of less than about 300 decitex.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 315/CAL/2002</i>	<i>(22) Date of filing : 17/05/2002</i>
<i>(54) Title : HYBRID RADIO FREQUENCY TRANSCEIVER</i>	<i>(51) International Classification :</i>

<i>(71) Name of the Applicant : AGILIS COMMUNICATION TECHNOLOGIES PTE LTD.,</i>	
<i>Address of the Applicant : 100 JURONG EAST STREET 21 LEVEL 4, SINGAPORE TECHNOLOGIES BUILDING, SINGAPORE 609602.</i>	
<i>(72) Name of the Inventors : KWONG NIXON NG HO, KUMARESH RAMMURATHY, RAORATCHUMARI SRINIVASA, SOMA SUNDRAM S/O PALANISAMY.</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i>
	<i>(32) Date :</i>
	<i>(33) Country :</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

***Abstract :***

A hybrid radio frequency transceiver using a single radio frequency transceiver able to send signals originating in at least two different frequency bands, wherein signals in a first frequency band are sent for transmission without conversion, and signals in all other frequency bands are converted to the first frequency band before being sent to the radio frequency transceiver. Also disclosed is a method for converting signals for a hybrid radio frequency transceiver using a single radio frequency transceiver able to send signals originating in at least two different frequency bands, wherein signals in a first frequency band are sent for transmission without conversion, and signals in all other frequency bands are converted to the first frequency band before being sent to the radio frequency transceiver.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 316/CAL/2002 A	(22) Date of filing : 20/05/2002
(54) Title : PEELING APPARATUS OF EXTRUSION MATERIAL BATCH	(51) International Classification :

(71) Name of the Applicant : NGK INSULATORS, LTD.,	
Address of the Applicant : 2-56, SUDA-CHO, MIZUHO-KU, NAGOYA CITY, AICHI PREF, JAPAN,	
(72) Name of the Inventors : YOKJI KOJI, YAMAMOTO TSUTOMU, KOYAMA MAKOTO,	
(30) Priority Data :	(31) Document No: 2001-151,844
	(32) Date : 22/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

In a peeling apparatus of an extrusion material batch, a circular blade is arranged at an outlet portion of a kneader, and an outer surface of the extrusion material batch extruded from the outlet portion is peeled uniformly. It is preferred to arrange a longitudinal blade for cutting the peeled waste materials in a radial direction at a periphery of the circular blade. Since a water content of the peeled waste materials is not varied, they can be returned as they are to the inlet hopper of the kneader via a transfer line.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 317/CAL/2002 A	(22) Date of filing : 20/05/2002
(54) Title : CFB IMPACT TYPE PARTICLE COLLECTION ELEMENTS ATTACHED TO COOLED SUPPORTS	(51) International Classification :

(71) Name of the Applicant : THE BABCOCK & WILCOX COMPANY	
Address of the Applicant : 1450 POYDRAS STREET, NEW ORLEANS, LA 70160, USA.	
(72) Name of the Inventors : MARYAMCHIK MIKHAIL, ALEXANDER KIPLIN C, BELIN FELIX, GIBBS DAVID R., WALKER DAVID J., WOETZKE DONALD L,	
(30) Priority Data :	(31) Document No: 09/865,332
	(32) Date : 25/05/2001
	(33) Country : USA

(61) Patent of add

Apparatus for separating solids from flue gas in a circulating fluidized bed (CFB) boiler comprises plural vertical, impact type particle separators located within the CFB in a plurality of staggered rows. The impact type particle separators employ hung elements supported from fluid-cooled tubes which form a collecting channel, typically U-shaped, which separates particles from flue gases conveyed across the particle separators. By separating the support function from the collection shape required by functional performance considerations, the strength requirements of the material used to form the collection shape are reduced and the strength of the material from which the fluid-cooled support is made is much higher due to the lower operating temperature of the material comprising the fluid-cooled support, thereby permitting the use of lower cost materials.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 319/CAL/2002 A		(22) Date of filing : 21/05/2002
(54) Title : A NOVEL BARRIER SECURITY SEAL		(51) International Classification : F 16 B 2/00, 3/00
(71) Name of the Applicant : TARACHAND BANKA,		
Address of the Applicant : 3-B, CAMAC STREET, KOLKATA-700 016.		
(72) Name of the Inventors : TARACHAND BANKA,		
(30) Priority Data :	(31) Document No:	
	(32) Date :	
	(33) Country :	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract :*

A novel barrier security seal comprising in combination :

- a) a U-shaped metal body having two arms of dissimilar lengths, the longer arm having a notch or recess approximately in the middle region thereof, the end of the said longer arm being pressed and flared such that the width of the flared portion is more than the diameter of the said metal body;
- b) a polymeric body having two holes running along the entire width of the said body substantially parallel to each other, the diameters of the said holes being such that the arms of the said metal body can easily pass, and
- c) a spring-actuated locking arrangement consisting of a spring carrying a small elongated metal/polymeric part, one end of which is of lesser cross-section, adapted to fit into the recess of the spring, which snugly fits into the said recess or notch on the longer arm creating a seal when the arms are pushed into the said holes by application of pressure.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 320/CAL/2002 A	(22) Date of filing : 22/05/2002
(54) Title : SYSTEM AND METHOD FOR UTILIZING EXUCATIONAL MATERIAL	(51) International Classification : G09B 5/00

(71) Name of the Applicant : SAGA UNIVERSITY	
Address of the Applicant : 1 HONJO-MACHI, SAGA CITY, SAGA PREF., JAPAN.	
(72) Name of the Inventors : HOYASHITA SHIGERU, IKEGAMI YASUYUKI, SUMI KAZUHIRO,	
(30) Priority Data :	(31) Document No: 2001-156,478
	(32) Date : 25/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

A system is provided for utilizing educational materials. The system has a registration part for prompting to input at least one code (such as a subject code for expressing a subject of an educational material) to store said educational material with said inputted code in an educational material database, a code receiving part for receiving code inputted by a developer or a user, and an educational material transmitting part for reading out an educational material corresponding to said received code from a database in accordance with the received code to transmit the educational material to the developer or the user.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 321/CAL/2002 A	(22) Date of filing : 23/05/2002
(54) Title : METHOD FOR AUTOMATICALLY MONITORING ANALYTE CONCENTRATION USING MINIMALLY INVASIVE DEVICES.	(51) International Classification : G201N 33/50

(71) Name of the Applicant : LIFESCAN, INC.,	
Address of the Applicant : 1000 GIBRALTOR DRIVE, MS3D, MILPITAS, CALIFORNIA 95035 USA	
(72) Name of the Inventors : SOHRAB, BORZU	
(30) Priority Data :	(31) Document No: 09/865,826
	(32) Date : 25/05/2001
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

Methods and devices are provided for "continuously" monitoring the concentration of an analyte in a host, i.e., for automatically measuring the concentration of an analyte at two or more points during a given time period. In the subject methods, substantially painless single use analyte concentration detection devices are employed to measure the concentration of the analyte of interest in the host, or portion thereof, e.g., interstitial fluid, where the measurements take place automatically according to a predetermined schedule. Devices provided by the subject methods have at least two different substantially painless single use analyte concentration measurement components which are under the control of a processing means that activates the measurement components according to a predetermined schedule. Also provided are systems and kits for use in practicing the subject methods. The subject methods find use in monitoring the concentration of a variety of different analytes of interest, and are particularly suited for use in monitoring the concentration of glucose.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 322/CAL/2002 A	(22) Date of filing : 23/05/2002
(54) Title : AN IMPROVED VALVE CONNECTOR	(51) International Classification : F 16 K 15/20

(71) Name of the Applicant : NVB INTERNATIONAL,	
Address of the Applicant : P.O. BOX- 69, DK-3460, BIRKEROD, DENMARK,	
(72) Name of the Inventors : BLOM NICOLAAS VAN DER	
(30) Priority Data :	(31) Document No: 9503736.2
	(32) Date : 24/02/1995
	(33) Country : UK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

1. A valve connector for connecting to inflation valves of vehicle tyres, comprising
  - a housing to be connected to a pressure source,
  - within the housing a coupling hole for enabling the coupling of the valve connector to inflation valves, the coupling hole (5) having a central axis (4) and an outer opening (8),
  - sealing means within the coupling hole for sealing the coupling hole against the inflation valve, the sealing means comprising a deformable bushing by which the coupling hole is formed, and

activating means for axially compressing the deformable bushing into its deformed state, thereby radially squeezing the deformable bushing against the inflation valve, characterized by the fact that the activating means comprises

- a lever arm (102,319) which is coupled to the housing (110,134,368) movable between a rest position (82) and an activating position (83), and
- a reaction arm (320) which is fixedly coupled to the housing for enabling a gripping hold of said lever arm and said reaction arm (320),

wherein said deformable bushing (78,366) is in its deformed state when said lever arm is in said activating position (83) and not deformed when said lever arm is in said rest position (82), the deformed state corresponding to the formation of a temporary securing thread onto the surface of said deformable bushing when the valve connector is coupled to the inflation valve.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 323/CAL/2002	(22) Date of filing : 23/05/2002
(54) Title IMPROVED VALVE CONNECTOR	(51) International Classification : B 60C 29/00

(71) Name of the Applicant : NVB INTERNATIONAL	
Address of the Applicant : PO BOX-69, DK-3460, BIRKEROD, DENMARK	
(72) Name of the Inventors : BLOM NICOLAAS, VAN DER	
(30) Priority Data :	(31) Document No: 9503736.2
	(32) Date : 24/02/1995
	(33) Country : DENMARK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. 314/CAL/1996 filed on 20/02/1996	

***Abstract :***

A valve connector for operating inflation valves of vehicle tyres, comprising

- a housing (35, 134, 164) adapted to be connected to a pressure source,
- within the housing one coupling hole (5) having a central axis (4) and an outer opening (8), for enabling sealed coupling of the valve connector to inflation valves,
- an activating pin (161, 40, 312, 318, 142) for engaging with the central spring-force operated core pin of a first valve type of the inflation valves when coupled to the coupling hole, and
- shifting means (162-167; 43, 48, 50; 304, 303; 140, 139) for axially shifting the activating pin relative to the housing in the direction of the central axis of the coupling hole into a distal shifting position which corresponds to the activating pin engaging with the central spring-force operated core pin of the first valve type of inflation valves when coupled to the coupling hole and depressing the core pin inwards for allowing the conduction of gaseous media from the pressure source through the inflation valve,

characterized by

coupling means (12, 13; 330, 332; 78; 336) for selective sealed coupling of said one coupling hole to each of at least said first valve type and a second valve type of inflation valves, the second valve type being adapted to be operated by pressure from the pressure source, the first and second valve types having different diameters,

wherein said shifting means (162-167; 43, 48, 50; 304, 303; 140, 139) is further designed such that the activating pin (40, 142, 161) is selectively shiftable into a proximal shifting position which is farther away inside the housing from the outer opening of said coupling hole (5) than said distal shifting position for allowing said selective coupling of said one coupling hole to the second valve type of inflation valves so as to allow operation of said second valve type when coupled in the coupling hole (5).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 324/CAL/2002	(22) Date of filing : 23/05/2002
(54) Title A VALVE CONNECTOR A	(51) International Classification : F 16K 15/20

(71) Name of the Applicant : NVB INTERNATIONAL	
Address of the Applicant : PO BOX-69, DK-3460, BIRKEROD, DENMARK	
(72) Name of the Inventors : BLOM NICOLAAS, VAN DER	
(30) Priority Data :	(31) Document No: 9503736.2
	(32) Date : 24/02/1995
	(33) Country : DENMARK
(61) Patent of addition to Application No. filed on.	
(62) Divisional to Application no. filed on	

***Abstract :***

1. A valve connector for coupling with inflation valves of vehicle tyres, comprising
  - a housing,
  - within the housing a coupling hole for coupling with an inflation valve, the coupling hole having a central axis and an outer opening,
  - positioning means for positioning the inflation valve when coupled in the coupling hole, and
  - an activating pin, which is arranged coaxially with the coupling hole, for depressing a central spring-force operated core pin of the inflation valve,
  - a cylinder (303) having a cylinder wall provided with a pressure port which is connected to a pressure source, wherein
  - the activating pin is shiftable between a proximal pin position and a distal pin position relative to the positioning means so as to depress the core pin of the inflation valve in its distal pin position and disengage the core pin of the inflation valve in its proximal pin position when the inflation valve is positioned by the positioning means.

the activating pin is coupled with a piston (304) and the piston (304) is slidably arranged in the cylinder (303) and is movable between a proximal piston position, which corresponds to the proximal pin position, and a distal piston position, which corresponds to the distal pin position,

characterized by the fact that

- the piston (304) is disposed in the cylinder (303) between the pressure port and the coupling hole and is drivable from its proximal piston position to its distal piston position by the pressure supplied into the cylinder (303) from the pressure source, and
- that flow regulating means are provided for selectively interrupting or freeing a flow path between the pressure source and the coupling hole depending on the piston positions and are adapted such that the flow path is interrupted in the proximal piston position and the flow path is freed in the distal piston position at least when the inflation valve is positioned by the positioning means.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 325/CAL/2002 A	(22) Date of filing : 23/05/2002
(54) Title WIRE BONDING METHOD AND APPARATUS THEREFOR	(51) International Classification : H 01L 21/00

(71) Name of the Applicant : KABUSHIKI KAISHA MORIC	
Address of the Applicant : 1450-6, MORI, MORI-MACHI, SHUUCHI-GUN, SHIZUOKA-KEN, JAPAN	
(72) Name of the Inventors : ARAKI CHIHIRO	
(30) Priority Data :	(31) Document No: 2001-161742
	(32) Date : 30/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

[0045] Methods and apparatus for detecting the welding state in each bonding section and the application of ultrasonic vibration and pressing force is stopped promptly when completion of welding is determined. This permits bonding to be finished, corresponding to each wire bonding section at all times, in a shortest time without need of application of unnecessary ultrasonic vibration and pressing force after completion of welding in spite of dispersion of the welding characteristic of the individual bonding pads.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 326/CAL/2002 A	(22) Date of filing : 23/05/2002
(54) Title INSPECTION METHOD AND INSPECTION APPARATUS FOR SEMICONDUCTOR CIRCUIT	(51) International Classification : G 01R 31/26

(71) Name of the Applicant : KABUSHIKI KAISHA MORIC	
Address of the Applicant : 1450-6, MORI MORI-MACHI, SHUUCHI-GUN, SHIZUOKA-KEN, JAPAN	
(72) Name of the Inventors : ARAKI CHIHIRO	
(30) Priority Data :	(31) Document No: 2001-161739
	(32) Date : 30/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

[0049] A method and apparatus employing image processing of photographic data by a thermographic camera to determine the heat development of individual semiconductor devices. Therefore, defects of individual devices such as disconnection due to breaks and abnormal heat development due to electrostatic breakdowns can be determined reliably.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 327/CAL/2002 A	(22) Date of filing : 24/05/2002
(54) Title METHOD OF COMPOSITION FOR ANTIVENOM HERBAL MEDICINE	(51) International Classification : A 61K 9/00

(71) Name of the Applicant : DR. UTTAM KR. DAS BISWAS	
Address of the Applicant :	
(72) Name of the Inventors : DR. UTTAM KR. DAS BISWAS	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : INDIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. 328/CAL/2002 A</i>	<i>(22) Date of filing : 24/05/2002</i>
<i>(54) Title SEMICONDUCTORDEVICE</i>	<i>(51) International Classification : H 01L 23/29</i>

<i>(71) Name of the Applicant : KABUSHIKI KAISHA MORIC</i>	
<i>Address of the Applicant : 1450-6, MORI, MORI-MACHI, SHUUCHI-GAN, SHIZUOKA-KEN, JAPAN</i>	
<i>(72) Name of the Inventors : ARAKI CHIHIRO</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 2001-161745</i>
	<i>(32) Date : 30/05/2001</i>
	<i>(33) Country : JAPAN</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :*

[0029] A rotating electrical machine control embodying a circuit including semiconductor devices mounted on a conductive pattern formed on a metal substrate without using heat sinks. Performance is improved as is durability by matching the linear expansion coefficient of the resin used to seal the semiconductor chips with that of the conductive pattern formed on the metal substrate.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 329/CAL/2002 A	(22) Date of filing : 24/05/2002
(54) Title SEMICONDUCTOR CHIP SOLDERING LAND PATTERN	(51) International Classification : H 01L 23/48

(71) Name of the Applicant : KABUSHIKI KAISHA MORIC	
Address of the Applicant : 1450-6 MORI, MORI-MACHI, SHUUCHI-GUN, SHIZUOKA-KEN, JAPAN	
(72) Name of the Inventors : ARAKI CHIHIRO	
(30) Priority Data :	(31) Document No: 2001-161737
	(32) Date : 30/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

[0038]

A semiconductor chip mounted on a substrate having a soldering land pattern for containing a molten solder interposed between said conductive surface and a facing surface of the semiconductor chip. The soldering land pattern comprises corners spaced respectively from the four corners of the semiconductor chip bottom surface and escapes formed between the corners sufficiently outside of the respective sides of the semiconductor chip bottom surface to accept liquid solder displaced from the area between the conductive surface and the facing surface of the semiconductor chip upon placing the semiconductor chip within the soldering land pattern to improve conductivity and simplify the construction. The device is also shown in a motor control.

**PUBLICATION AFTER 18 MONTHS**

*The following ~~ing~~ Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 330/CAL/2002 A	(22) Date of filing : 27/05/2002
(54) Title INCINERATOR WITH A FLUE GAS GUIDING DEVICE AND A SAFETY MECHANISM	(51) International Classification : F 23G 5/12

(71) Name of the Applicant : LIN DAI-YOU	
Address of the Applicant : 10F-1, NO. 48, WU-CHUAN WU ST., HIS DIST, TAICHUNG CITY, TAIWAN	
(72) Name of the Inventors : LIN DAI-YOU	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : TAIWAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

**INCINERATOR WITH A FLUE GAS GUIDING DEVICE AND A  
SAFETY MECHANISM**

An incinerator includes a furnace 20 having a cylindrical top section 21, a cyclone separator 40 connected to an effluent outlet 213 of the top section 21, a tubular member 214 mounted in the top section 21 and defining a flue gas passage 2141, and a flue gas guiding device 30 mounted in the top section 21 below the tubular member 214 and including a seat body 32 vertically aligned with the tubular member 214, and a plurality of angularly spaced apart helical blades 33 extending radially from the seat body 32

to an inner wall 212 of the top section 21 so as to provide helical movement to a stream of hot combustion gas passing therethrough and so as to split the stream of the hot combustion gas into a stream of high-density flue gas that exits from the effluent outlet 213, and a stream of low-density flue gas that flows outwardly through the flue gas passage 2141.

**PUBLICATION AFTER 18 MONTHS**

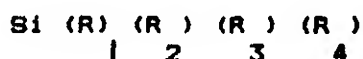
*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 332/CAL/2002 A	(22) Date of filing : 27/05/2002
(54) Title : SIZING COMPOSITION FOR GLASS STRANDS	(51) International Classification : C 03 C 17/20
(71) Name of the Applicant : VETROTEX FRANCE	
Address of the Applicant : 130 AVENUE DAS, FOLLAZ, F-73000 CHAMBERY, FRANCE	
(72) Name of the Inventors : AUGIER ERIC, MULLER DIDER, ARPIN MICHEL	
(30) Priority Data :	(31) Document No: 95/10316
	(32) Date : 01/09/1995
	(33) Country : FRANCE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

This invention relates to a sizing composition for glass strands, characterised in that it includes, in percentage by weight of the dry extract of the composition

- 0.5 to 2% of at least one silane satisfying the following formula



in which :

- R<sub>1</sub>, R<sub>2</sub> are alkoxy groups;
- R<sub>3</sub> is an alkoxy group or a radical based only on carbon, hydrogen and possibly nitrogen;
- R<sub>4</sub> is a radical based only on carbon, hydrogen and possibly nitrogen, including at least one unsaturated ring substituted with at least one unsaturated chain conjugate with the ring; and
- 0 to 85% of at least one adhesive agent.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 333/CAL/2002 A	(22) Date of filing : 27/05/2002
(54) Title : AN IMPROVED PROCESS AND MACHINE FOR MANUFACTURE OF CTC TEA	(51) International Classification : A 23 F 3/00

(71) Name of the Applicant : CHITLANGIA PURUSHOTTAM DAS	
Address of the Applicant : CHITLANGIA NIKET, 12B, JUDGES COURT ROAD, ALIPORE, KOLKATA-700027, INDIA	
(72) Name of the Inventors : CHITLANGIA PURUSHOTTAM DAS	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : INDIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

1. An improved process for manufacture of Black tea by CTC process characterised in that a stream of chilled water is circulated inside one or both CTC rollers of each roller pair of a CTC machine, rotating in opposite direction at different speed, during the operation of said machine to check any spot rise in temperature of the tea mat formed in CTC machine through metal to metal contact of two adjacent rollers of respective roller pairs.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 335/CAL/2002 A	(22) Date of filing : 27/05/2002
(54) Title : COMMUNICATIONS SYSTEM MANAGING SERVER, ROUTING SERVER, MOBILE UNIT MANAGING SERVER, AND AREA MANAGING SERVER	(51) International Classification :  H 04 B 7/00

(71) Name of the Applicant : MITSUBISHI MATERIALS CORP.	
Address of the Applicant : 5-1, OTEMACHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN	
(72) Name of the Inventors : TARI KAZUYOSHI, CHIBA TOSHIYUKI, UNOKI HIRO YUKI	
(30) Priority Data :	(31) Document No: 2001-162720
	(32) Date : 30/05/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The present invention provides a communications system that includes a plurality of networks connected to a global network and having as essential components, for each network, at least one routing server and a radio base station connected to the one routing server to communicate using radio signals with one mobile radio unit connected to a terminal or a host, and, when one mobile radio unit or a host connected to one network is transmitting data to another mobile radio unit connected to another network, and if a destination address resolution is required, a communications system managing server responds to a destination address resolution request transmitted from the one mobile radio unit or the host, and transmits an IP address allocated to the other mobile radio unit by the currently connected routing server to the one mobile radio unit or the host.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 336/CAL/2002 A	(22) Date of filing : 28/05/2002
(54) Title : ELECTRONIC PARKING METER SYSTEM	(51) International Classification : G201R 13/14

(71) Name of the Applicant : WINDINGS INC.	
Address of the Applicant : 39, JON BARRETT ROAD, PATTERSON, N.Y. 12563, U.S.A.	
(72) Name of the Inventors : FERGUSON G. RALPH, POTTER THOMAS R.	
(30) Priority Data :	(31) Document No: 09/866,919
	(32) Date : 30/05/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

**An electronic parking meter system, comprising:**

multiple electronic parking meters, each respectively determining the time a parking space associated with the respective electronic parking meter is occupied by a vehicle and receiving coins denoting desired parking time and indicating said time;

multiple inductive loop vehicle detection sensors and each respective inductive loop vehicle detection sensor being located to detect both the physical presence or absence of a vehicle in said respective parking space and emitting a respective signal indicative thereof;

multiple microprocessor controllers, each controller being coupled to a corresponding sensor and a corresponding electronic parking meter for selectively controlling each electronic parking meter and each controller responsive to a respective sensor signal, each electronic parking meter indicating time provided upon payment with a vehicle occupying said space to obtain a fixed amount of time in accordance with the amount of payment, each said electronic parking meter decrementing the indicated time, and said controller initializing said electronic parking meter to zero when the corresponding sensor signals the corresponding controller that a vehicle no longer occupies the corresponding parking space of the associated meter.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 337/CAL/2002 A	(22) Date of filing : 28/05/2002
(54) Title : VALVE CONNECTOR	(51) International Classification : F 16K 15/20

(71) Name of the Applicant : NVB INTERNATIONAL	
Address of the Applicant : P O BOX-69, DK-3460, BIRKEROD, DENMARK	
(72) Name of the Inventors : BLOM NICOLAAS, VAN DER	
(30) Priority Data :	(31) Document No: 9503736.2
	(32) Date : 24/02/1995.
	(33) Country : DENMARK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. 314/CAL/1996 filed on 20/02/1996	

**VALVE CONNECTOR**

**Abstract** Valve connector for connecting to inflation valves of vehicle tyres, comprising

- a housing (3,16,19,35,77,110,134,151,164,190) connected to a pressure source,
- within the housing one valve coupling hole (5) for coupling with the inflation valve to which the valve connector is to be connected, the coupling hole having a central axis (4) and an outer opening (8) and
- within the coupling hole (5) inflation valve sealing means (12,13,79,80,200,194,330,332), situated coaxially with the central axis (4) of the coupling hole (5), for sealing the valve connector onto inflation valves of various types and/or sizes

**characterized by the fact that**

- said valve coupling hole (5) is of a stepped configuration thereby including at least two valve coupling hole sections which are axially displaced from each other and have different diameters and are designed for receiving inflation valves of different diameters, with the larger diameter hole section closer to the outer opening (8) of the coupling hole than the smaller diameter hole section, and
- said inflation valve sealing means comprise a first valve sealing portion (13,80,194,332) and a second valve sealing portion (12,79,200,330), which are located at different levels along the central axis (4), said first sealing portion disposed at and assigned to the larger diameter hole section and said second sealing portion disposed at and assigned to the smaller diameter

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 338/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title : ARSENIC REMOVAL KIT	(51) International Classification : C 02F 11/00

(71) Name of the Applicant : DR. SIRSENDU SUKUL	
Address of the Applicant : B-15/93, KALYANI-741235, DIST-NADIA, STATE-W.B, INDIA	
(72) Name of the Inventors : DR. SIRSENDU SUKUL	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : INDIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A simple, cheap, reliable and reproducible Arsenic Removal Kit has been devised for 96-98 % removal of Arsenic from Arsenic contaminated drinking water. The method of application of the kit is also developed. This invention will save people from Arsenic poisoning by providing safe drinking water.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 339/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title : A METHOD OF PRODUCING TEA CONCENTRATE USING ENZYMES	(51) International Classification : A 23F 3/10
(71) Name of the Applicant : GOODRICKE GROUP LTD.	
Address of the Applicant : CAMELLIA HOUSE, 14, GURUSADAY RD. , CAL- 19, INDIA	
(72) Name of the Inventors : DE VARAYAN SIVANARUL BAVAN	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : INDIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

1. A method for preparing instant tea, said method comprising the steps of:-
  - (j) contacting black tea leaves with hot soft water to obtain an extract,
  - (k) adjusting the pH of the extract from 4.2 to 4.8, by adding an edible acid,
  - (l) contacting the acidic extract with an enzyme to obtain a slurry,
  - (m) incubating the slurry at 40 – 60°C for 1 to 3 hours so as to solubilize a substantial portion of tea cream,
  - (n) deactivating the enzyme by raising the temperature of the slurry from 60 – 90°C,
  - (o) adjusting the pH of the slurry 5.8 to 6.5 by adding an alkali,
  - (p) concentrating the slurry to obtain tea solids, if desired,
  - (q) blending the concentrate with tea cream of step (d), and
  - (r) concentrating and drying the mixture of step (g) to obtain instant tea.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 340/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title A PROCESS FOR MAKING COLD WATER SOLUBLE INSTANT TEA WITH MINIMUM TURBIDITY	(51) International Classification :  A 23F 3/14

(71) Name of the Applicant : GOODRICKE GROUP LTD.	
Address of the Applicant : CAMELLIA HOUSE, 14, GURUSADAY RD., CAL-19, INDIA.	
(72) Name of the Inventors : DEVARAYAN SIVANARUL BAVAN	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : INDIA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract***

1. A process for the preparation of cold water soluble instant tea, said process comprising:-

- a) contacting black tea leaves with hot soft water substantially free of salts to provide a tea liquor containing tea solids and insoluble cream,
- b) separating the insoluble cream from the tea extract,
- c) concentrating the tea liquor at about 70 –90°C to obtain a concentrate containing about 5-15% tea solids,
- d) adding sufficient amount of an alkali to the concentrate at 80°C and maintaining the concentrate at 80°C,

- e) adding sufficient amount of calcium chloride to the hot alkalized concentrate and allowing it to stand for 20 to 30 minutes,
- f) oxidizing the slurry of step (e) by incubating it at 70-130°C for 20 to 60 minutes under constant agitation and circulation,
- g) adjusting the pH of the oxidised slurry to 5.3 by adding an edible acid,
- h) separating the insoluble solids therein, and
- i) collecting the supernatant of step (h) to obtain a tea extract and polishing the same by centrifugation,
- j) preparing cold-water soluble instant tea by concentrating and drying the supernatant of step (i).



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 341/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title REVOLVING PLATE FOR CARD SLIVER DEPOSITING EQUIPMENTS, SPECIALLY AT FRAMES, CARDS AND THE EQUIVALENT	(51) International Classification :  B 65H 54/80

(71) Name of the Applicant : TRUTZSCHLER GMBH & C.	
Address of the Applicant : DUVENSTRESSE 82-92, D-41199 MONCHENGLADBACH, GERMANY	
(72) Name of the Inventors : HERR STEINERT THOMAS DR.	
(30) Priority Data :	(31) Document No: 10127814.4
	(32) Date : 08/06/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** In a revolving plate for card sliver deposit equipments, particularly at drawing frames, card and the equivalent, with a spatially curved sliver passage with an inlet and an outlet for card sliver, in which the inlet is assembled close or coaxially to the rotational axis and the outlet is assembled in radial and axial distance to the inlet, the card sliver is subjected to a tension draft and between the running card sliver and the internal wall of sliver passage a relative movement is present, a friction resistance works on the card sliver through the internal wall;

In order to make possible an improved tape guide and - quality, the friction resistance is at least partly reducable through change of interaction and/or the spatial allocation between card sliver and internal wall of sliver passage;

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 342/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title REVOLVING PLATE FOR CARD SLIVER DEPOSITING EQUIPMENTS, SPECIALLY AT DRAWING FRAMES CARDS AND THE EQUIVALENT	(51) International Classification :  B 65H 54/80

(71) Name of the Applicant : TRUTZSCHLER GMBH & CO..	
Address of the Applicant : DUVENSTRASSE 82-92, D-41199 MONCHENGLADBACH, GERMANY	
(72) Name of the Inventors : HERR CHERIF CHOKRI DR. , HERR WULFHORST BURKHARD	
(30) Priority Data :	(31) Document No: 10127815.2
	(32) Date : 08/06/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

In a revolving plate for card sliver deposit equipments, particularly at drawing frames, card and the equivalent, with a spatially curved sliver passage with an inlet and an outlet for card sliver, in which the inlet is assembled close or coaxially to the rotational axis and the outlet is assembled in radial and axial distance to the inlet, the card sliver is subjected to a tension draft and between the running card sliver and the internal wall of sliver passage a relative movement is present, a friction resistance works on the card sliver through the internal wall.

In order to make possible an improved tape guide and - quality, the friction resistance is at least partly reducable through change of interaction and/or the spatial allocation between card sliver and internal wall of sliver passage.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 343/CAL/2002 A	(22) Date of filing : 30/05/2002
(54) Title PROCESS OF GENERATING O-XYLENE-AIR MIXTURES FOR THE PRODUCTION OF PHTHALIC ANHYDRIDE	(51) International Classification :  C 07D 307/89

(71) Name of the Applicant : MG TECHNOLOGIES AG.	
Address of the Applicant : D-60325 FRANKFURT AM MAIN , GERMANY	
(72) Name of the Inventors : DOMES HELMUTH, FEISEL HERBERT	
(30) Priority Data :	(31) Document No: 10132627.0
	(32) Date : 05/07/2001
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

This invention relates to a process of generating a homogeneous gas mixture (feed gas) from ortho-xylene (o-xylene) and air, which is the basis for the production of phthalic anhydride (PA) by gas-phase oxidation in the so-called PA process. To create a process of producing o-xylene-air mixtures for the production of phthalic anhydride, by means of which a load of 120 g o-xylene per Nm<sup>3</sup> air can be achieved, it is proposed in accordance with the invention to completely evaporate o-xylene in the absence of oxygen, superheat the same thereafter and then mix the same with oxygen-containing air, and to supply this mixture to the PA reactor.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No.345/CAL/2002 A	(22) Date of filing : 31/05/2002
(54) Title ARTERIOSCLEROSIS-DEGREE EVALUATING APPARATUS	(51) International Classification : A 61B 5/02

(71) Name of the Applicant : COLIN CORP.	
Address of the Applicant : 2007-1, HAYASHI, KOMAKI-SHI, AICHI-KEN, JAPAN	
(72) Name of the Inventors : TAMPO AKIRA , OGURA TOSHIHIKO , NARIMA KIYOUKI	
(30) Priority Data :	(31) Document No: 2001-331089
	(32) Date : 29/10/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

An apparatus (10) for evaluating a degree of arteriosclerosis of a living subject, the apparatus comprising a blood-pressure measuring device (20, 30, 40, 44, 60, 62) which measures a systolic and a diastolic blood pressure of the subject; a pulse-wave-propagation-velocity-related-information obtaining device (18, 20, 36, 60, 64, 66) which obtains pulse-wave-propagation-velocity-related information that is related to a velocity at which a pulse wave propagates through an artery of the subject; a display device (58); and a control device (46, 68) which controls the display device to display, in a first two-dimensional graph (70) defined by a first axis (74) indicative of blood pressure and a

second axis (76) indicative of pulse-wave-propagation-velocity-related information, at least one symbol (72) indicating two positions one of which corresponds to the systolic blood pressure measured by the blood-pressure measuring device and the pulse-wave-propagation-velocity-related information obtained by the pulse-wave-propagation-velocity-related-information obtaining device, and the other of which corresponds to the diastolic blood pressure measured by the blood-pressure measuring device and the obtained pulse-wave-propagation-velocity-related information.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 346/CAL/2002 A	(22) Date of filing : 31/05/2002
(54) Title PERCUTANEOUS BIOLOGICAL FLUID SAMPLING AND ANALYTE MEASUREMENT DEVICES AND METHODS	(51) International Classification : A 61B 5/14

(71) Name of the Applicant : LIFESCAN INC.	
Address of the Applicant : 1000 GIBRALTAR DRIVE, MS3D, MILPITAS, CALIFORNIA 95035, U.S.A.	
(72) Name of the Inventors : SOHRAB BORZU	
(30) Priority Data :	(31) Document No: 09/879,106
	(32) Date : 12/06/2001
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

Devices and methods for sampling a biological fluid and measuring a target constituent within the biological fluid are provided. Generally, the subject devices include a sampling means configured to pierce a skin surface to provide access to biological fluid and concentrically-spaced working and reference electrodes positioned within the elongated sampling means that define an electrochemical cell for measuring the concentration of analyte within the biological fluid. The subject devices and methods are particularly suited for use in the sampling and concentration measuring of glucose in interstitial fluids. Also provided are kits that include the subject devices for use in practicing the subject methods.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 347/CAL/2002 A	(22) Date of filing : 31/05/2002
(54) Title PERCUTANEOUS BIOLOGICAL FLUID CONSTITUENT SAMPLING AND MEASUREMENT DEVICES AND METHODS	(51) International Classification :  A 61B 5/14

(71) Name of the Applicant : LIFESCAN INC.	
Address of the Applicant : 1000 GIBRALTAR DRIVE, MS 3D, MILPITAS, CALIFORNIA 95035, U.S.A	
(72) Name of the Inventors : SOHRAB BORZU	
(30) Priority Data :	(31) Document No: 09/878,742
	(32) Date : 12/06/2001
	(33) Country : U.S.A
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract***

A device for sampling at least one biological fluid constituent and measuring at least one target constituent within the biological fluid. The device has at least one micro-needle having an open distal end used to penetrate the skin to a depth where pain and bleeding are minimized. The device further includes a hydrophilic gel within the micro-needle for sampling the biological fluid constituents and an electrochemical cell for measuring the concentration of targeted constituents within the sampled biological fluid constituents. In certain embodiments, the electrochemical cell is integrated within the micro-needle whereby the steps of sampling and measuring are performed completely in-situ. In other embodiments, the electrochemical cell is located external to the micro-needle at its proximal end. Constituent sampling and measurement systems, methods and kits are also provided.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 348/CAL/2002 A	(22) Date of filing : 31/05/2002
(54) Title BIOLOGICAL FLUID CONSTITUENT SAMPLING AND MEASUREMENT DEVICES AND METHODS	(51) International Classification :  A 61B 5/14

(71) Name of the Applicant : LIFESCAN INC.	
Address of the Applicant : 1000 GIBRALTAR DRIVE, MS 3D, MILPITAS, CALIFORNIA 95035, U.S.A	
(72) Name of the Inventors : SHARTLE ROBERT, LEONG KOON-WAH, KISER ERNEST	
(30) Priority Data :	(31) Document No: 09/879,188
	(32) Date : 12/06/2001
	(33) Country : U.S.A
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A device for accessing biological fluid, sampling biological fluid constituents and determining the concentration of at least one target constituent within the accessed biological fluid is provided. The device has at least one micro-piercing member used to penetrate the skin to a selected depth and to access biological fluid, a constituent sampling means and a constituent measuring means. The constituent sampling means comprises a constituent transfer medium, such as a hydrophilic gel material, by which sampled constituents are transferred from the micro-piercing member to the measuring means. The measuring means includes an electrochemical cell having at least one porous electrode through which at least one sampled constituent is caused to enter into the electrochemical cell. Methods of sampling constituents within the skin and measuring the sampled constituents, as well as kits for practicing the invention are provided.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. 349/CAL/2002 A	(22) Date of filing : 31/05/2002
(54) Title BIOLOGICAL FLUID SAMPLING AND ANALYTE MEASUREMENT DEVICES AND METHODS	(51) International Classification :  A 61B 5/14

(71) Name of the Applicant : LIFESCAN INC.	
Address of the Applicant : 1000 GIBRALTAR DRIVE, MS 3D, MILPITAS, CALIFORNIA 95035, U.S.A	
(72) Name of the Inventors : LEONG KOON-WAH, SHARTLE ROBERT	
(30) Priority Data :	(31) Document No: 09/879,146
	(32) Date : 12/06/2001
	(33) Country : U.S.A
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A device for sampling a biological fluid and measuring a target analyte within the biological fluid is provided. The device has at least one micro-piercing member used to penetrate the skin to a selected depth and access biological fluid, a sampling means and a measuring means. The sampling means comprises a fluid transfer medium, such as a hydrophilic porous material, by which sampled biological fluid is transferred from the micro-piercing member to the measuring means. The measuring means includes an electrochemical cell having at least one porous electrode and, typically, a reagent material, where the electrochemical cell is configured so as to make an electrochemical measurement of a target analyte in accessed biological fluid present therein. Methods of sampling biological fluids within the skin and measuring the sampled fluids are also provided, as well as kits comprising one or more of the inventive devices.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 392/MUM/2002 A (22) Date of filing of Application: 02/05/2002

(54) Title of the invention: SUSPENSION DEVICE

<p>(51) International classification: B62K, 25/18 B60G, 9/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-215826</p> <p>(32) Date : 16/07/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.:NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.:NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SHINJI TAKAYANAGI (2) YOHEI MAKUTA</b></p>
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(57) Abstract : A swing arm 44 is extended forwards from a front vehicle body, a bolt 73 as a king pin inclined forwards so that its upper end is located on the front side relative to its lower end is fitted to a front portion of the swing arm 44, a cross beam 64 extending in the left-right direction is slidably fitted to the bolt 73, and front wheels 13, 14 are rotatably fitted to both ends of the cross beam 64.

When the vehicle turns, the front vehicle body can be tilted to the turning direction attendant on the handle operation, and the center of gravity of the vehicle with the driver thereon can be moved to the turning direction, namely, sideways to the turning side, whereby turning performance can be enhanced.

Figure : 5

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 393/MUM/2002 A (22) Date of filing of Application: 02/05/2002

(54) Title of the invention: DRIVE NUT ASSEMBLY FOR A DOOR OPERATOR

<p>(51) International classification: B60J, 5/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/288,843</p> <p>(32) Date : 05/05/2001</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.:NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.:NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION.</b></p> <p>Address of the Applicant:</p> <p><b>1001 AIR BRAKE AVENUE, WILMERDING, PENNSYLVANIA 15148, UNITED STATES OF AMERICA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) ANDRE STOJC (2) ERICH STEPHEN</b></p>

(57) Abstract : The present invention teaches a powered door operator for a passenger transit vehicles having a drive nut assembly engaging a door hanger bracket substantially connected to a door disposed within an aperture of the vehicles structure. Such drive nut further engaging a drive screw to move a door for covering and uncovering an aperture for ingress and egress of passengers in a wall of a transit vehicle upon rotation of the drive screw enabled by a rotary prime mover. The drive assembly comprises a housing having an internal cavity, at least one drive nut insert having a helix portion substantially identical to the drive screw helix and disposed within said internal cavity, and a retaining clip engaging said at least one drive nut insert for substantial retainment thereof. Retaining clip further provides for simple replacement of such at least one drive nut insert during maintenance cycles thereby substantially eliminating periodic lubrication generally employed with powered door operators of the prior art.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 394/MUM/2002 A (22) Date of filing of Application: 02/05/2002

(54) Title of the invention: A PROCESS FOR THE PREPARATION OF A COMBINATION OF FAMOTIDINE POLYMORPHS A AND B

(51) International classification: C07D 277/48,  
A61K 31/425

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

TONIRA PHARMA LIMITED

Address of the Applicant:

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(72) Name of the Inventors :

- 1) MANDAYAM CHAKRAVARTHY  
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- 2) JIGNESH HARIKESH VYAS
- 3) YOGEN HASMUKHBHAI TALIA
- 4) JANARDHAN PRASAD SANYAL
- 5) MAHESH NATWARLAL SHAH

(57) Abstract : A process for the preparation of a combination of Famotidine [Chemical Name (N-Sulfamyl - 3- (2-guanidinothiazole-4-yl-methylthio) proionamidine] Polymorphs A and B comprising the following steps:-

- (a) Dissolving Famotidine crude in solvent such as methanol under heating and stirring to form a solution;
- (b) Adding activated carbon to the solution of step (a) at 45°C for 30 minutes;
- (c) Filtering the solution of step (a) to obtain a clear colourless solution;
- (d) Concentrating the solution under vacuum at a temperature of 45°C to 58°C under vacuum to get a crystalline slurry;
- (e) Filtering out the crystals of Famotidine Polymorphs A and B combination;
- (f) Drying the said crystals of Famotidine Polymorphs A and B combination in an oven.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 395/MUM/2002 A (22) Date of filing of Application: 02/05/2002

(54) Title of the invention: A PROCESS FOR THE PREPARATION OF A COMBINATION OF FAMOTIDINE POLYMORPHS A AND B

(51) International classification: C07D 277/48 A61K 31/425	(71) Name of the Applicant:
(30) Priority Data :	M/S. TONIRA PHARMA LIMITED
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	301, YOGI COMPLEX, 44,
(33) Name of convention country : NIL	SAMPATRAO COLONY,
(66) Filed U/s. 5(2) : No	ALKAPURI, VADODARA-390 003,
(61) Patent of addition to application No.:NIL	GUJARAT, INDIA.
(62) Filed on : N.A.	(72) Name of the Inventors :
(63) Divisional to Application No.:NIL	1) DR. MANDAYAM
(64) Filed on: N.A.	CHAKRAVARTHY SRIRAMAN
	2) DR. JIGNESH HARIKESH VYAS
	3) DR. YOGEN HASMUKHBHAI TALIA
	4) JANARDHAN PRASAD SANYAL
	5) MAHESH NATWARLAL SHAH

(57) Abstract : A process for the preparation of a combination of Famotidine [Chemical Name (N-Sulfamyl -3-(2-guanidinohiazole-4-yl-methylthio) proionamidine] Polymorphs A and B comprising the following steps:-

- suspending Famotidine crude in solvent such as methanol under heating and stirring and reacting with concentrated Hydrochloric acid to give Famotidine Hydrochloride;
- dissolving the Famotidine Hydrochloride in solvent such as methanol;
- adding activated carbon to the solution of step (b) at 45° C to 58° C for 30 minute;
- filtering the solution of step (c) to obtain a clear colourless solution;
- making the solution to step (d) basic with triethylamine;
- concentrating the solution of step (e) under vacuum at a temperature around 45° C to 58° C to give a crystalline slurry;
- filtering out the crystals of Famotidine Polymorphs A and B combination;
- drying the said crystals of Famotidine Polymorphs A and B combination in an oven.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 396/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: **METHOD OF LOADING MOIST, STICKY BULK MATERIALS INTO A FLUID PERVIOUS CONTAINER**

(51) International classification: B01D, 29/05

(71) Name of the Applicant:

**BAYER AKTIENGESSELLSCHAFT**

Address of the Applicant:

**D-51368 LEVERKUSEN, GERMANY  
A GERMAN COMPANY**

(30) Priority Data :

(31) Document No.: 10123885.1

(32) Date : 16/05/2001

(33) Name of convention country : **GERMANY**

(66) Filed U/s. 5(2) : No

(61) Patent of addition to application No.: **NIL**

(62) Filed on : **N.A.**

(63) Divisional to Application No.: **NIL**

(64) Filed on: **N.A.**

(72) Name of the Inventor: :

- (1) **LUTZ GOTTSCHALK**
- (2) **GEORGE RONGE**
- (3) **JOHANNES DIRK MULLER**
- (4) **MICHAEL FREIN**
- (5) **WERNER ERHOEVEN**
- (6) **DOMIEN SLUYTS**

(57) **Abstract :** Method of dispensing moist, sticky or statically charged bulk material into a fluid pervious container having an opening for receiving said bulk material, which comprises conveying a bulk material, as a suspension or dispersion in a fluid, from a reservoir, and introducing said suspension or dispersion into the fluid-pervious container through said opening in the container to pass the fluid component of the suspension or dispersion through and out of the fluid-pervious container while retaining the bulk material within the container, and recirculating the fluid to the reservoir.

**Figure : NIL**

### **Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 397/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: INTAKE AMOUNT CONTROL SYSTEM FOR ENGINE

<p>(51) International classification: F02D, 9/02, 9/10 F02M, 69/32</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-155057</p> <p>(32) Date : 24/05/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HONDA GIKEN KOGYO KABUSHIKI KAISHA</p> <p>Address of the Applicant:</p> <p>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</p> <p>(72) Name of the Inventors :</p> <p>(1) MINORU UEDA (2) AKIRA HAYASHI (3) SHUNJI AKAMATSU (4) NORIO SAITO</p>
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(57) Abstract : To provide an intake amount control system for an engine which makes it possible to concurrently perform the machining of a throttle body and the manufacture of an assembly of an idle air control valve, an actuator and a throttle sensor, and which can contribute to enhancement of productivity.

A synthetic resin made casing 10 separate from a throttle body 1 is fitted to the throttle body 1 on one end side of a valve shaft 4 of a throttle valve 3, and an idle air control valve 25, an actuator 26 and a throttle sensor 37 are disposed in the casing 10.

Figure : 1



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 398/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: A METHOD AND APPARATUS FOR TESTING SHEAR STRENGTH OF RUBBER BONDED TO METAL INSERT.

<p>(51) International classification: G01N, 19/04, 3/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/904, 949</p> <p>(32) Date : 13/07/2001</p> <p>(33) Name of convention country : U.S.A</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.:NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.:NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION.</b></p> <p>Address of the Applicant:</p> <p><b>1001 AIR BRAKE AVENUE, WILMERDING, PENNSYLVANIA 15148, UNITED STATES OF AMERICA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) DENNIS M. POLEGA</b></p>
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(57) Abstract : The present invention provides an apparatus for measuring the shear strength of rubber bonded to a metal insert in a valve seal, said apparatus comprises an upper fixture and a lower fixture. A mounting device is disposed in the lower fixture of the apparatus for retaining the valve seal. A shearing means is disposed in the upper fixture of the apparatus for shearing the rubber bonded to the metal insert. The shearing means has an arcuate edge for contacting the valve seal. There is a first means engageable with the shearing means for controlling its movement in one of a downward motion for shearing the valve seal and an upward motion for returning the shearing means to its starting position. Further there is a second means for recording the movement of the shearing means and the force that is applied by such first means until a bond between the rubber and the metal insert of the valve seal is broken.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 399/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: APPARATUS FOR CONTROLLING AIR INTAKE OF ENGINE IN SMALL VEHICLE

<p>(51) International classification: F02D, 35/00 F02M, 35/01</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-264528</p> <p>(32) Date : 31/08/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72)</p> <p>Name of the Inventors :</p> <p>(1) KENICHI SUEDA (2) YUKIO HOSOYA (3) SHUNJI AKAMATSU (4) NOBUHIRO SHIMADA</p>

(57) Abstract : To rationally dispose sensors for controlling fuel injection, an electronic control unit, and a coupler around a throttle body in a small vehicle so that the bottom portion of a luggage box can be held at as low a position as possible.

In a small vehicle including a throttle body 17 disposed between a luggage box 3 directly under a seat 2 and an engine 5 disposed under the luggage box 3, the throttle body 17 having an air intake path 17a and a throttle valve 21, sensors 64, 73, 76 for detecting operating conditions of the engine 5 and an electronic control unit 84 for controlling operation of a fuel injection valve 20 of the engine 5 according to output signals from the sensors 64, 73, 76 are attached on one of a right and a left side of the throttle body 17, and a coupler 80 connected to the electronic control unit 84 and having a coupling mouth 80a opening to the other of the right and left sides of the throttle body 17 is disposed above the throttle body 17.

Figure : 3

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 400/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: FLOW LIMITING VALVE OF FUEL SYSTEM

<p>(51) International classification: F02M,63/02 59/16</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 20011379</p> <p>(32) Date : 27/06/2001</p> <p>(33) Name of convention country : FINLAND</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>WARTSILA TECHNOLOGY OY AB</p> <p>Address of the Applicant:</p> <p>JOHN STENBERGIN RANTA 2, FIN-00530 HELSINKI, FINLAND</p> <p>(72) Name of the Inventors :</p> <p>(1) KAI LEHTONEN</p>

(57) Abstract : A fuel system shut-off valve (4) including a body part (5), in which there is arranged a fuel space (6) having an inlet (7) connection and an outlet connection (8), an actuator (9) movably arranged in the fuel space, according to the position of which fuel may either flow via the shut-off valve (4) or the fuel flow has been prevented, and a force arrangement causing a force opposite to the fuel main flow direction upon the actuator (9). The actuator (9) further comprises an auxiliary actuator (12) movably arranged thereto.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 401/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: REAR SWING ARM FOR MOTORCYLES

<p>(51) International classification: B62K, 25/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-159989</p> <p>(32) Date : 29/05/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) KONOMU HOSHI (2) TOMOYUKI HARADA</b></p>

(57) Abstract : The section from the pivot shaft attaching portion 53 to the suspension attaching portion 58 is provided with high torsional rigidity and high bending rigidity in the vertical direction by connecting the positions in the vicinity of the pivot shaft attaching portions 53, 53 by a cross member 54 with each other, and by mounting an reinforcing member 57 integrally with the base portion 51, and the arm portion 55 is provided with high torsional rigidity and low bending rigidity in the vertical direction by forming the arm portion 55 of a pipe which is square in cross section so as to be downwardly convex in side view. (Advantages) Sufficient rigidity is provided in the rear swing arm, and consecutive and quickly repetitive impacts that can hardly be absorbed by the suspension can be alleviated.

Figure : 4

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 402/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: **PROCESS FOR FORMING OF DETERGENT GRANULATES**

(51) International classification: C11D 3/00, C11D 9/00

(30) Priority Data :

(31) Document No.: 9712580.1

(32) Date : 16/06/1997

(33) Name of convention country : GREAT  
BRITAIN

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: 374/BOM/98

(64) Filed on: 16/06/1998

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PAULUS MARIA
- 5) POMEREN, ROLAND VAN
- 6) YUREGIR, KORKUT AHMET  
REMZI

(57) Abstract : A process of forming a granular detergent products, is effected in a gas fluidisation granulator. A fluidized particulate solid material is contacted with a spray of liquid binder. The excess velocity ( $U_e$ ) of fluidisation gas relative to the mass or volume flux of the spray ( $q_{mlq}$  or  $q_{slq}$ ) when determined at the normalized nozzle-to-bed distance ( $D_0$ ) is set so that the flux number ( $FN_m$  or  $FN_v$ ) as determined by (where  $\rho_p$  is the particle density) is at a critical value of at least 2 for at least 30% of the process

Figure : NIL

$$FN_m = \log_{10} \left[ \frac{\rho_p U_e}{q_{mlq}} \right] \quad \text{OR} \quad FN_v = \log_{10} \left[ \frac{U_e}{q_{slq}} \right]$$

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 403/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: A PROCESS OF FORMING A GRANULAR DETERGENT PRODUCT

(51) International classification: C11D 11/00

(30) Priority Data :

(31) Document No.: 9712580.1

(32) Date : 16/06/1997

(33) Name of convention country : GREAT  
BRITAIN

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: 374/BOM/1998

(64) Filed on: 16/06/1998

(71) Name of the Applicant:

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(72) Name of the Inventors :

- 1) **AKKERMANS, JOHANNES  
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- 2) **EDWARDS MICHAEL FREDERIC**
- 2) **GROOT ANDREAS THEODORUS  
JOHANNES**
- 3) **MONTANUS CORNELIS PAULUS  
MARIA**
- 5) **POMEREN ROLAND VAN**
- 6) **YUREGIR, KORKUT AHMET  
REMZI**

(57) Abstract : A process of forming a granular detergent products, is effected in a gas fluidisation granulator. A fluidized particulate solid material is contacted with a spray of liquid binder. The excess velocity ( $U_e$ ) of fluidisation gas relative to the mass or volume flux of the spray ( $q_{mliq}$  or  $q_{vliq}$ ) when determined at the normalized nozzle-to-bed distance ( $D_0$ ) is set so that the flux number ( $FN_m$  or  $v$ ) as determined by

$$FN_m = \log_{10} \left[ \frac{p_p U_e}{q_{mliq}} \right] \quad \text{OR} \quad FN_v = \log_{10} \left[ \frac{U_e}{q_{vliq}} \right]$$

(where  $p_p$  is the particle density) is at a critical value of at least 2 for at least 30% of the process

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 404/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: DRUG DELIVERY VEHICLE

<p>(51) International classification: A61K 31/00, 9/20 A61J 3/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>EMCURE PHARMACEUTICALS LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>EMCURE HOUSE, T-184, M.I.D.C., BHOSARI, PUNE-411 026, MAHARASHTRA, INDIA, AN INDIAN COMPANY</b></p> <p>(72) Name of the Inventors :</p> <p>1) SATISH MEHTA 2) MANJUSHA JOSHI</p>

(57) Abstract : The invention disclose a novel method and apparatus for preparing a controlled release tablet disintegrable in the buccal cavity. The vehicle for the active ingredient is a saccharide matrix granulated in a fluidized bed processor. The matrix along with a suitable lubricant is compressed at low pressures in a die punch type conventional tableting machine.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 405/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: INVENTION RELATES TO BOTTLE

<p>(51) International classification: B65D, 6/00, 13/00, 51/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>on : N.A.</p> <p>Divisional to Application No.: NIL</p> <p>Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SATISH GOKHALE</b></p> <p>Address of the Applicant:</p> <p><b>'RAJEEV' 828 SHIVAJINAGAR, V.G. KALE ROAD, PUNE-411 004, MAHARASHTRA, INIDA, N INDIAN NATIONAL'</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SATISH GOKHALE</b></p>

(57) Abstract : A bottle comprising a hollow body defined by operative side walls, a floor and a neck region extending from the side walls having a mouth opening defined therein; threads provided around the neck region for screwing a cap thereon characterized in that the floor has a recess formed therein opening inwardly into the body; the recess having threads for threading a second bottle therein.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 406/MUM/2002 A (22) Date of filing of Application: 03/05/2002

(54) Title of the invention: A BROOM

<p>(51) International classification: A47L 13/10 B25G 3/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>JATIN TARACHAND GALA</b></p> <p>Address of the Applicant:</p> <p><b>C/O. GALA BRUSH LTD. HINDUSTAN KOHINOOR INDUSTRIAL COMPLEX, GROUND FLOOR, OPP. M.T.N.L. GENERAL MANAGER'S OFFICE. L.B.S. MARG, VIKHROLI (W), MUMBAI : 400 083, MAHARASHTRA, INDIA, INDIAN NATIONAL.</b></p> <p>(72) Name of the Inventors :</p> <p><b>JATIN TARACHAND GALA</b></p>

(57) Abstract : A broom defined by a body having a handle portion, and a head portion a plurality of bristles extending from the head portion, the bristles defined by a predominate semi rigid region and a flagellated terminal region and a fabric band stitched across the semi rigid region of the bristles.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 407/MUM/2002 A (22) Date of filing of Application: 06/05/2002

(54) Title of the invention: **RESID CRACKING APPARATUS WITH CATALYST AND ADSORBENT REGENERATORS AND A PROCESS THEREOF**

<p>(51) International classification: C10G, 11/18</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>INDIAN OIL CORPORATION LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>G-9, ALI YAVAR JUNG MARG, BANDRA (EAST), MUMBAI 400 051, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) KASLIWAL PANKAJ 2) RAMA RAO MARRI 3) DIXIT JAGDEV KUMAR 4) SAROYA LATOOR LAL 5) MANDAL SUKUMAR 6) SATISH MAKHIJA 7) SOBHAN GHOSH</b></p>
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(57) Abstract : This invention provides a resid cracking apparatus comprising a riser, reactor, stripper cum separator with adjustable outlets in flow communication with adsorbent and catalyst regenerators for converting hydrocarbon residues containing higher concentration of Conradson carbon content, poisonous metals such as nickel & vanadium and basic nitrogen etc., into lighter and valuable products and a process thereof.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 408MUM/2002 A (22) Date of filing of Application: 06/05/2002

(54) Title of the invention: **ELECTRIC DETONATING FUSE**

<p>(51) International classification: C06C 5/00, 5/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>KAMAL DAYARAM SABOO</b></p> <p>Address of the Applicant:</p> <p><b>C/O. BHARAT SOLAR CABLE, PLOT NO. 95, WANJRAY LAYOUT, PILINADI INDUSTRIAL AREA, KAMTEE ROAD, NAGPUR, MAHARASHTRA, INDIA</b></p> <p><b>NATIONALITY</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) KAMAL DAYARAM SABOO</b></p>

(57) Abstract : An improved electric detonating fuse comprising a top cover with electrical fuse protruding from bottom extended sufficiently to reach near the explosive stacked in the cylindrical chamber provided with peripheral holes near the bottom covered by bottom closure. So as to allow the flames developed if any from the peripheral holes and diminishes development of pressure thereby hindering/accidental explosions.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 409/MUM/2002 A (22) Date of filing of Application: 06/05/2002

(54) Title of the invention: A METHOD OF EXTRACTING RESIN HAVING MEDICINAL PROPERTIES FROM CICER ARIETINUM

<p>(51) International classification: A61K 035/78, A61K 007/00, B01D 11/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) DR.SUBHASH RAJARAM OROSKAR 2) DR. ANIL RAJARAM OROSKAR</p> <p>Address of the Applicant:</p> <p>1) A-7/28, CHITTARANJAN NAGAR, RAJAWADI, GHATKOPAR (EAST), MUMBAI 400 077, MAHARASHTRA, INDIA. 2) 104, LIVERY CIRCLE, OAK BROOK, IL 60523, UNITED STATES OF AMERICA</p> <p>(72) Name of the Inventors :</p> <p>1) DR.SUBHASH RAJARAM OROSKAR 2) DR. ANIL RAJARAM OROSKAR</p>

(57) Abstract : A method of extracting resins and/or alkaloids from Cicer Arietinum finely ground to the mesh size of 150 to 500 microns comprising of treating Cicer Arietinum with carbon dioxide under pressure of 74 to 300 BARS and then separating the extract from the solution.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 410MUM/2002      A      (22) Date of filing of Application: 06/05/2002

(54) Title of the invention: A MEDICINAL PREPARATION CONTAINING RESINS OF CICER ARIETINUM

(51) International classification: A61K 35/78	(71) Name of the Applicant:
(30) Priority Data :	1) DR.SUBHASHI RAJARAM OROSKAR 2) DR. ANIL RAJARAM OROSKAR
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	1) A-7/28, CHITTARANJAN NAGAR, RAJAWADI, GHATKOPAR (EAST), MUMBAI 400 077, MAHARASHTRA, INDIA.
(33) Name of convention country : NIL	2) 104, LIVERY CIRCLE, OAK BROOK, IL 60523, UNITED STATES OF AMERICA
(66) Filed U/s. 5(2) : No	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	1) DR.SUBHASHI RAJARAM OROSKAR 2) DR. ANIL RAJARAM OROSKAR
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A	

(57) Abstract : A medicinal/ cosmetic preparation prepared from resins and/or alkaloids extracted from Cicer Arietinum by treating Cicer Arietinum with an inert solvent like carbon dioxide and then separating the extract from the solution.

Figure : NIL

### Publication After 18 months

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 411/MUM/2002      A      (22) Date of filing of Application: 06/05/2002

(54) Title of the invention: A NOVEL METHOD FOR THE PREPARATION OF 1,2,3,4,10,14B-  
HEXAHYDRO-2-METHYL-PYRAZINO[2,1-A]PYRIDO{2,3-C}[2]BENZAZEPINE

(51) International classification: A61K 31/435

(71) **Name of the Applicant:**

**SUN PHARMACEUTICAL  
INDUSTRIES LTD.**

**Address of the Applicant:**

**ACME PLAZA, ANDHERI-KURLA  
ROAD, ANDHERI (E), MUMBAI -  
400 059, MAHARASHTRA, INDIA,  
AN INDIAN COMPANY  
INCORPORATED UNDER THE  
COMPANIES ACT, 1956**

**(30) Priority Data :**

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : No

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: 994/MUM/2000

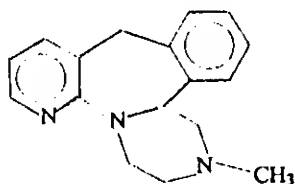
(64) Filed on: 07/11/2000

(72) **Name of the Inventors :**

(1) SABESTIAN SONNY  
(1) PATEL HETAL VIRENDRA  
(2) THENNATI RAJAMANNAR

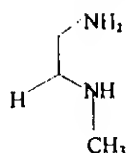
**(57) Abstract :**

1. A method for the preparation of 1,2,3,4,10,14b-hexahydro-2-methyl-pyrazino[2,1-a]pyrido[2,3-c][2]benzazepine of formula 17 by the steps of

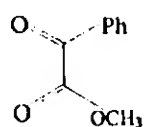


17

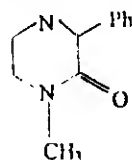
a. reacting N-methyl ethylene diamine of formula 7A with methyl benzoyl formate of formula 11A to obtain 1-methyl-3-phenyl-3,4-dihydropiperazine-2-one of formula 12A :



7A

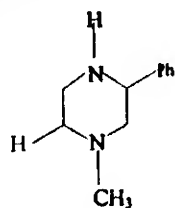


11A



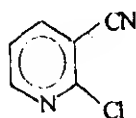
12A

b. reacting 1-methyl-3-phenyl-3,4-dihydro-piperazine-2-one of formula 12A thus obtained with a reducing agent, such as herein described, to yield 1-methyl-3-phenylpiperazine of formula 1A;

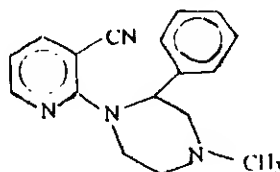


1A

c. reacting 1-methyl-3-phenylpiperazine with 2-chloro-3-cyanopyridine of formula 13 to give 1-(3-cyanopyridyl-2-)-4-methyl-2-phenylpiperazine of formula 14;

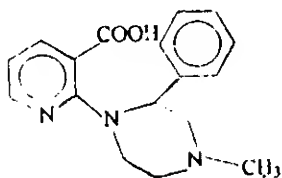


13



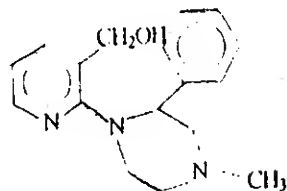
14

d. hydrolysing the compound of formula 14 to give 1-(3-carboxypyridyl-2-)-4-methyl-2-phenylpiperazine of formula 15;



15

e. reducing compound of formula 15 to give 1-(3-hydroxymethylpyridyl-2-)-4-methyl-2-phenylpiperazine of formula 16;



16

f. cyclizing the compound of formula 16 to give 1,2,3,4,10,14b-hexahydro-2-methyl-pyrazino[2,1-a]pyrido[2,3-c][2]benzazepine of formula 17

Fig. Nil

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 412/MUM/2002 A (22) Date of filing of Application: 07/05/2002
- (54) Title of the invention: ARRANGEMENT FOR MAKING TEXTURED FILM SOLID CLEANSER HOLDERS

<p>(51) International classification: B29D 7/01</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>JOHNSON &amp; JOHNSON LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>30, FORJETT STREET, MUMBAI 400036, MAHARASHTRA, INDIA</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) KUDALKAR VIJAY BALKRISHNA 2) DR. ABHYANKAR PRASHANT NARAYAN 3) SALASKAR RAJESH BHASKAR 4) DR. VIDWAS JAYPRAKASH SHANKAR</b></p>
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(57) Abstract : Arrangement (1) for making textured film solid cleanser holder (160). A solid cleanser feed conveyor (2) is horizontally rotatably mounted on a first frame work (3) and provided with a plurality of spaced solid cleanser holding pockets. A film feeding unit comprising a film unwind top roll (5) and a film unwind bottom roll (6) are rotatably mounted on a stand (7) at the feed end (8) of the feed conveyor. A solid cleanser holder forming unit (31) is mounted on a second framework (35) which is located close to the discharge end (36) of the feed conveyor. A solid cleanser holder sealing unit (41), a solid cleanser holder cutting unit (59), a film scoring unit (84) and a horizontally rotatable waste film carrying conveyor (98) are mounted on the second frame work in tandem with the solid cleanser holder forming unit. A plurality of film tensioning rollers (100) and a plurality of film pulling units (100a, 100b, 100c, 100d) are provided in the path of textured film. An intermittent differential drive unit is connected to the feed conveyor, contrarotatable conveyors, film scoring unit, waste film carrying conveyor and film pulling units.

Figure : 1.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 413/MUM/2002 A (22) Date of filing of Application: 07/05/2002

(54) Title of the invention: ARRANGEMENT FOR MAKING TEXTURED MULTI FILM SOLID CLEANSER HOLDERS

(51) International classification: B29D, 7/01

(71) Name of the Applicant:

JOHNSON & JOHNSON LIMITED

(30) Priority Data :

(31) Document No.: NIL

Address of the Applicant:

(32) Date : N.A.

30 FORJETT STREET, MUMBAI 400036,  
MAHARASHTRA, INDIA

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(72) Name of the Inventors :

(62) Filed on : N.A.

1) KUDALKAR VIJAY BALKRISHNA  
2) DR. ABHYANKAR PRASHANT  
NARAYAN

(63) Divisional to Application No.: NIL

3) SALASKAR RAJESH BHASKAR  
4) DR. VIDWAN'S JAYPRAKASH  
SHANKAR

(64) Filed on: N.A.

(57) Abstract : Arrangement (1) for making textured multi film solid cleanser holders (160). A solid cleanser feed conveyor (2) is horizontally rotatably mounted on a first frame work (3) and provided with a plurality of spaced solid cleanser holding pockets. A film feeding unit comprising one pair of film unwind top rolls (5,5) and one pair of film unwind bottom rolls (6,6) are rotatably mounted on a stand (7) at the feed end (8) of the feed conveyor. A pair of film lamination units (11a, 11b) each is mounted at the top and bottom of the first framework. A solid cleanser holder forming unit (31) is mounted on a second framework (35) located close to the discharge end of the feed conveyor (36). A solid cleanser holder sealing unit (41), a solid cleanser holder cutting unit (59), a film scoring unit (84) and a horizontally rotatable waste film carrying conveyor (98) are mounted on the second frame work in tandem with the solid cleanser holder forming unit. A plurality of film tensioning rollers (100) and a plurality of film pulling units (100a, 100b, 100c, 100d) are provided in the path of the textured film. An intermittent differential drive unit is connected to the feed conveyor, contra-rotatable conveyors, film scoring unit, waste film carrying conveyor and film pulling units

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 414/MUM/2002 A (22) Date of filing of Application: 07/05/2002

(54) Title of the invention: VEHICLE WHEEL WITH GENERATOR

<p>(51) International classification: H02 7/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>TING HSING CHEN</b></p> <p>Address of the Applicant:</p> <p><b>NO. 855, CHUNG SHAN ROAD, KUE-JIN HSIANG, TAINAN HSIEN TAIWAN, REPUBLIC OF CHINA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) TING HSING CHEN</b></p>

(57) Abstract : A vehicle wheel with generator comprises a magnetic ring on one side of the wheel, and a generator secured on a wheel axle. The generator includes an inductive coil on a shaft of the wheel corresponding to the magnetic ring, the inductive coil comprises a positive and a negative wires, thus, when the wheels are rolling, which brings the magnetic ring to rotate simultaneously with respect to the inductive coil, which generates electricity and outputs through the positive wire and the negative wire to the battery or to the load in the vehicle directly.

Figures : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 415/MUM/2002 A (22) Date of filing of Application: 07/05/2002

(54) Title of the invention: SYSTEM AND METHOD FOR CONTEXT BASED SEARCHING OF ELECTRONIC CATALOG DATABASE, AIDED WITH GRAPHICAL FEEDBACK TO THE USER.

<p>(51) International classification: G06F 17/30</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ZYCUS INFOTECH PVT. LTD.</p> <p>Address of the Applicant:</p> <p>BLDG NO-75, 1<sup>ST</sup> FLOOR, NIRLON COMPLEX, GOREGAON (E), MUMBAI - 400063, INDIA</p> <p>(72) Name of the Inventors :</p> <p>1) DEDHIA, AATISH 2) PARTHIBAN, SULUR DURAISWAMY 3) SINGHANIA, SUNIL 4) LABHE MAHESH 5) SARKAR, AVIK</p>
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(57) Abstract : A method and system for context based searching of category wise arranged electronic catalog database is provided. The confidence value for each of the retrieved categories is displayed graphically as an indication of the relevance of that category. The percentage impact of each of the query terms on the search result is also shown in a graphical format. Various search strategies and algorithms are used and the output is ranked according to the user relevance. The system is intelligent in the sense that it suggests user with spellings, uses word morphing, synonymous words to user query etc. The user can define weightage to be given to various attributes and also refine his search by searching in particular segments.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 416/MUM/2002 A (22) Date of filing of Application: 07/05/2002

(54) Title of the invention: SEMI HIGH MAST LIGHTING FIXTURE

<p>(51) International classification: E 04H 12/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SMT. DAMYANTI JAGMOHAN LALANI, MISS NITI JAGMOHAN LALANI, NAYAN JAGMOHAN LALANI</b></p> <p>Address of the Applicant:</p> <p><b>207, JAFFERBHOY INDUSTRIAL ESTATE, MAKWANA LANE, NEAR MAROL NAKA PETROL PUMP, ANDHERI-KURLA ROAD, ANDHERI (EAST), MUMBAI -400 059, MAHARASHTRA, INDIA.</b></p> <p>Name of the Inventors :</p> <p>(72)</p> <p><b>(1) JAGMOHAN DALICHAND LALANI (2) NAYAN JAGMOHAN LALANI</b></p>

(57) Abstract : Described is a Semi-High mast Lighting fixture comprising a hollow GI pipe stand at the base provided with ballast, aluminum ballast cover and aluminum cover holding chain which connects the ballast condenser and igniter mounting plate, When is closed position against the MS plate at the top of the said lighting fixture containing plastic thick cover fitted at the top of the MS plate by means of leak proof rubber ring and aluminum casting plate the lamp stand containing the high wattage lamps are placed axially on the brackets provided on the periphery of the stand covered by the aluminum pot type reflector. This stand is telescopically connected to GI pipe. An SS spring is provided inside for rising or lowering of the MS plate through which the SS bolt is operative. An aluminum canopy is provided on the SS bolt by means of ms plate main nut and top crown and a brass nut.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 417/MUM/2002 A (22) Date of filing of Application: 08/05/2002

(54) Title of the invention: IMPROVEMENT RELATING TO A MEASURING DEVICE

<p>(51) International classification: G01K 5/22</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI - 400 020, MAHARASHTRA, INDIA</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) SARAVANAN BALASUBRAMANIAN 2) SURESH SAMBAMURTHY 3) NAIK VIJAY MUKUND 4) FRANKLIN DAVID CHANDRA</b></p>
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(57) **Abstract :** A liquid-in-stem thermometer comprising a stem and/or an envelope having a capillary bore extending along the length of the stem/envelopes, a bulb disposed at one end of the stem/envelope and in fluid communication with the said bore, a junction region between the capillary and the bulb adapted for maximum registration action, a thermometric liquid provided in the bulb, the said thermometric liquid being an aqueous solution of one or more solutes and substantially free of dissolved gases, at least the inner surface of the capillary bore of said stem/envelope having low surface energy characteristics, wherein the surface tension of the thermometric liquid is greater than the surface energy of the said low surface energy material by a factor of at least two.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 418/MUM/2002 A (22) Date of filing of Application: 08/05/2002

(54) Title of the invention: AN IMPROVED ECO-FRIENDLY PAPER CD PACKING

<p>(51) International classification: B65D 65/38</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>DOSHI SIDDHARTH BHUPATRAI</b></p> <p>Address of the Applicant:</p> <p><b>NISHANT, 6, PODAR ROAD, SANTACRUZ-WEST, MUMBAI- 400 054, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) DOSHI SIDDHARTH BHUPATRAI</b></p>
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(57) Abstract : An Improved Eco-Friendly Paper CD Packing, region 1 (1) has a specially designed central button at (5) to fix the CD which fixes securely and to act as the female loop of the closing lock. There are two semi-circular arcs viz, arc 1 (6) and arc 2 (7) in the extension portion 2(3) and in the extension portion 3(4) respectively. They are obtained by cutting the paper in oval shape. Then the entire extension portion 2(3) is folded from fold 3 (14) towards region 1(1) and entire extension portion 3(4) folded from fold 4 (15) towards region 1(1), then, the region 2 (8) is folded from fold 1 (10) towards region 1(1) creating an additional region, region 4(12),also, the region 3(9) is folded from fold 2 (11) towards region 1(1), creating additional region, region 5(13), then region 2(8) is further folded with help of fold 1(10) & arc 1 (6) towards wall created by fold 3(14) and subsequently is glued to region 1(1) at appropriate place 1(16). Similarly, region 3(9) is further folded with help of fold 2(11) & arc 2(7) towards wall created by fold 4(15) and subsequently is glued to region 1(1) at appropriate place 2 (17) creating, protruded cavity on both sides of region 1(1), each forming semi circular arcs facing each other, resulting in the creation of space on the region 1(1) wherein CD fixes just appropriately. The region 5(21) folded from fold 5(23) towards region 7(25) and then glued on region 7(25) at appropriate place 3 (26) similarly, the region 6(22) folded from fold 6(24) towards region 7(25) and then glued on region 7(25) at appropriate place 4 (27), further whole of flap 1(28) folded from fold 9(39) lastly the region 8(30) having small circular hole 1(31) at the center, in which male loop (36) of closing lock is fixed is folded from fold 7 (32) towards region 9(33), further, region 9(33), also, having a similar hole is glued on region 9(33) and male end (36) of central lock fixes in holes 1 & 2 (31&34) respectively.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 419/MUM/2002 A (22) Date of filing of Application: 08/05/2002

(54) Title of the invention: PROCESS FOR PREPARATION OF IMPROVED FORMULATIONS OF AN ANTIMICROBIAL DRUG

<p>(51) International classification: B65D 65/38</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>AJANTA PHARMA LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>AJANTA HOUSE, 98, GOVT. INDUSTRIAL AREA, CHARKOP, KANDIVLI (W), MUMBAI-400 067, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1)BIYANI MILIND KESHARLAL (2)JATHER SHRIPAD RHUSHIKESH (3)GROVER MANISH</b></p>
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(57) Abstract: A process for preparation of improved formulation of an antimicrobial drug cefadroxil or its pharmaceutically acceptable salts in combination with effective amount of mucolytic agent as a better treatment regiment for improved patient compliance.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 420/MUM/2002 A (22) Date of filing of Application: 08/05/2002

(54) Title of the invention: **AN IMPROVED TAMPER PROOF METAL WIRE SEAL FOR LOCKING THE POLYTHENE/CANVASS BAGS & DIRECTLY LOCKING DRUMS WITH NARROW HOLE LOCKING CLAMP AND OTHER CLOSURE SYSTEMS.**

<p>(51) International classification: B65B 7/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SUNIL SADANAND VASAIKAR</b></p> <p>Address of the Applicant:</p> <p><b>D/204, RIVER PARK, NEAR DATTANI PARK, WESTERN EXPRESS HIGHWAY, KANDIVALI (EAST), MUMBAI : 400 101, AN INDIAN NATIONAL</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SUNIL SADANAND VASAIKAR</b></p>
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(57) Abstract : Sealing is a term used for an act or a process in which an article or a container or a compartment or wagon carrying or containing articles like Dyes & Chemicals, Bags, Drums, with valuable material is kept or transported, or the access to or outlet of compartment is shut or seized or locked, so that it is put in an irrevocably shut condition, whereby the article/compartment thus sealed cannot be Tampered, Plifered, Adulated or stolen in anyway manipulated or opened or set free without breaking this Metal Wire Seal. This improved Tamperproof Wire Seal is so made that it can fit in the tiniest hole locking clamps of the bag in which other seals cannot be fitted, and also the wire can be given in any size as per the requirement of the client. This is 100% Tamperproof as once locked in proper position can be opened only by cutting the Wire. This Metal Wire Seal cannot be opened by tampering the insert/ratchet in the locking mechanism by any pin or sharp tool or by heating or with the chemicals. This 100% Metal Wire Seal once opened cannot be Resealed with the same seal therefore leaves NO CHANCE for Tampering.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 421/MUM/2002 A (22) Date of filing of Application: 09/05/2002

(54) Title of the invention: AUTOMATIC LIFTING AND LOWERING OPERATION OF TRACTOR

(51) International classification: A01B 63/10

(71) Name of the Applicant:

NAYAK RAMESH NARAYAN

(30) Priority Data :

Address of the Applicant:

(31) Document No.: NIL

13/364, JASMINE, NEAR PROVIDENT  
FUND OFFICE, BANDRA (EAST),  
MUMBAI : 400 051, MAHARASHTRA  
STATE, INDIA.

(32) Date.: N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : No

(72) Name of the Inventors :

(61) Patent of addition to application No.: NIL

(1) NAYAK RAMESH NARAYAN

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(57) Abstract : An agricultural tractor in which means are provided to make the hydraulic lift unit of the tractor perform the lifting and lowering operation of the implement or attachment hitched to the tractor automatically in relation to the steering operation of the tractor without the operator having to operate the position control lever or other means provided to lift or lower the implement or attachment such that when the tractor is turning at headlands the implement lifts automatically and when the tractor is moving in the straight ahead position the implement is lowered into the soil. The said automatic operation of the lift unit is accomplished by establishing connection between the steering operation and lifting and lowering operation of the tractor by a mechanism.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 424/MUM/2002      A      (22) Date of filing of Application: 10/05/2002

(34) Title of the invention: A SYRINGE ASSEMBLY

<p>(51) International classification: A61M 3/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 697/BOM/1998</p> <p>(64) Filed on: 05/11/1998</p>	<p>(71) Name of the Applicant:</p> <p><b>SAKHARAM DHUNDIRAJ MAHURKAR</b></p> <p>Address of the Applicant:</p> <p><b>6171 N. SHERIDAN ROAD, SUITE 1112, CHICAGO, IL 60660, U.S.A., AMERICAN NATIONAL</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SAKHARAM M. MAHURKAR</b></p>
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(57) Abstract : A single-use safety syringe assembly comprises an elongated, generally cylindrical barrel which forms a hollow nozzle located at the distal end of the barrel and which opens into the interior of the barrel. A plunger is slidably mounted in the barrel and forms a longitudinal cavity. A needle holder carries a hollow needle on the distal end, and the needle holder is slidably mounted in the longitudinal cavity of the plunger. The needle holder includes a lateral arm which extends between the plunger cavity and the barrel. A spiral guide slot through a wall of the barrel extends along a proximal end portion of the barrel for engaging the lateral arm of the needle holder and retracting the needle holder within the barrel in response to relative rotational movement between the barrel and the needle holder. A pair of longitudinal ribs strengthen the proximal end portion of the barrel. A locking element for releasably locking the needle holder lateral arm at a distal end of the spiral guide slot is slidably mounted on a track formed on one of the ribs. An OTN catheter may also be employed in combination with the syringe assembly.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 425/MUM/2002      A      (22) Date of filing of Application: 10/05/2002

(54) Title of the invention: IMPELLER WITH SIX VANES WITH MAXIMUM DIAMETER OF 163 MM FOR PUMP WITH OPTIMUM CAPACITY, HEAD AND EFFICIENCY.

(51) International classification: F04D 1/00	(71) Name of the Applicant:
(30) Priority Data :	GAJANAN HEGDE
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	J-340, MIDC INDUSTRIAL AREA, BHOSARI, PUNE-411 028
(33) Name of convention country : NIL	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : No	(1) GAJANAN HEGDE
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : Described is an impeller with six vanes with maximum diameter of 163 mm. The vanes have proper vane angle, radius thickness, tip design and are mounted on a hub that is important for the optimum performance of the pumps.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 426/MUM/2002 A (22) Date of filing of Application: 10/05/2002

(54) Title of the invention: A COLOUR CHANGING PENCIL BOX

<p>(51) International classification: B43K 19/18</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>DHIREN SHAH</b></p> <p>Address of the Applicant:</p> <p><b>203, INDRAPRASTHA, 3<sup>RD</sup> DOMINIC LANE, ORLEM, MALAD (WEST), MUMBAI : 400 064.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) DHIREN SHAH</b></p>
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(57) Abstract : Described is a color changing pencil box. The device comprises of a body manufactured by using Polypropylene. PVC connects several such bodies and double-sided tissue tape is used for bonding.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 427/MUM/2002      A      (22) Date of filing of Application: 13/05/2002

(54) Title of the invention: PROCESS FOR THE PREPARATION OF N-CARBOXYANHYDRIDES

(51) International classification: C07D 263/00	(71) Name of the Applicant:
(30) Priority Data :	ISOCHEM
(31) Document No.: 01 07140	Address of the Applicant:
(32) Date : 31/05/2001	12 QUAI HENRI IV-75194 PARIS
(33) Name of convention country : FRANCE	CEDEX 04, FRANCE
(66) Filed U/s. 5(2) : No	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	(1) FABRICE CORNILLE
(63) Divisional to Application No.: NIL	(2) MARC LEBON
(64) Filed on: N.A.	

(57) Abstract: The invention relates to an improved process for the preparation of N-carboxyanhydrides by reaction of the corresponding amino acid or one of its salts with phosgene, diphosgene and/or triphosgene in a solvent medium, characterized in that at least a portion of the reaction is carried out under a pressure of less than 1000 mbar.

The N-carboxyanhydrides are thus obtained with better yields and an improved purity.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 428/MUM/2002      A      (22) Date of filing of Application: 13/05/2002

(54) Title of the invention: A BLOOD SAMPLE COLLECTION ASSEMBLY

<p>(51) International classification: A61J 1/05</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 393/BOM/1998</p> <p>(64) Filed on: 19/06/1998</p>	<p>(71) Name of the Applicant:</p> <p><b>SAKHARAM DHUNDIRAJ MAHURKAR</b></p> <p>Address of the Applicant:</p> <p><b>6171 N. SHERIDAN ROAD, SUITE 1112, CHICAGO, IL 60660, U.S.A., AMERICAN NATIONAL</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1)SAKHARAM M. MAHURKAR</b></p>

(57) Abstract : A hypodennic-needle sample collection device includes an elongated, generally cylindrical barrel forming an aperture at the distal end of the barrel and opening into the interior of the barrel, and a needle holder mounted for longitudinal movement within the barrel. The needle holder includes a pin projecting laterally therefrom. A hollow needle carried by the needle holder projects from the holder along the axis of the barrel. The pin is guided by longitudinal linear and spiral guide surfaces extending along at least a portion of the length of the barrel for moving the needle longitudinally within the barrel in response to relative rotational movement between the linear and spiral guide surfaces.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 429/MUM/2002 A (22) Date of filing of Application: 14/05/2002

(54) Title of the Invention: GRANULAR COMPOSITION

(51) International classification: C11D 17/00	(71) Name of the Applicant:  HINDUSTAN LEVER LIMITED
(30) Priority Data :	
(31) Document No.: 0111863.7	
(32) Date : 15/05/2001	Address of the Applicant:
(33) Name of convention country : UNITED KINGDOM	HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI - 400 020, MAHARASHTRA, INDIA
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	1) INSTONE TERRY
(63) Divisional to Application No.: NIL	2) NABI RAFIQ MOHAMMED
(64) Filed on: N.A.	3) WILSON JOHN EDLEY

(57) Abstract : In order to improve the dispersion of nonionic surfactant into wash water from a granule in which nonionic surfactant is carried on a water-insoluble granular material, the nonionic surfactant is intimately blended with a water-insoluble liquid. Preferred water-insoluble liquids include hydrocarbons, for example, paraffins.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002.

- (21) Application No.: 430/MUM/2002      A      (22) Date of filing of Application: 14/05/2002  
 (54) Title of the invention: GRANULAR COMPOSITION

<p>(51) International classification: C 11 D 32/00 C 11 D 17/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0111862.9</p> <p>(32) Date : 15/05/2001</p> <p>(33) Name of convention country : U.K.</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) GARRETT PETER ROBERT 2) WILSON JOHN EDLEY</b></p>
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(57) Abstract : In order to improve the dispersion of nonionic surfactant into wash water from a granule in which the nonionic surfactant is carried on a water-insoluble granular material, the nonionic surfactant is intimately mixed with a structurant which is non-soap ionic surfactant in finely divided particulate form. A preferred structurant is an anionic surfactant, for example, primary alcohol sulphate.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 431/MUM/2002 A (22) Date of filing of Application: 14/05/2002

(54) Title of the invention: A NOVEL AGGREGATE AND COMPONENTS MADE THEREFROM AND PROCESS FOR MAKING THE AGGREGATE.

<p>(51) International classification: B65D 13/00 C08L 51/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>2) HIMANSHU. S. 3) BHADRESH. B</p> <p>Address of the Applicant:</p> <p>1) 102 &amp; 103, SHROFF BUILDING, PREM NAGAR, SODAWALA LANE, BORIVALI (W), MUMBAI-400 092, MAHARASHTRA, INDIA.</p> <p>2) ROOM NO. 8, SUKHSAGAR CHAWL, NAHUR VILLAGE NAHUR ROAD, MULUND (W), MUMBAI- 400 080, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>(1) HIMANSHU. S. (2) BHADRESH. B</p>
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(57) Abstract : An aggregate for making a molded article and a method of making the aggregate is disclosed. The aggregate consists of an acrylate based resin matrix constituting not more than 60 per cent of the aggregate and anti abrasive particular matter not greater than 45 per cent of the aggregate, a cross linking agent, a demolding agent, a thixotropic/Hydrophobic Agent approximately and Peroxides.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 433/MUM/2002      A      (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: **IMPROVED PROCESS TO MAKE SOFT SOLIDS**

<p>(51) International classification: A61K 9/14</p> <p>(30) Priority Data :</p> <p>(31) Document No. : NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on : N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) GOVERNOR RUSI (2) HILLMAN KEVIN PETER (3) MAZUMDAR SAIKAT DATTA (4) PAREEK MANOJ (5) SIVA SUBRAMANIAN CHITTOR GOPALAKRISHNAN</b></p>
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(57) Abstract : Thus the present invention provides for a simple, inexpensive process, to make stickless frozen block bodies that eliminates the need for complex machinery. Stickless frozen block bodies or bars of required shape and size are obtained by the process. The frozen block bodies can be produced in the required volume and process of the invention is simple, and inexpensive. It is also possible to provide for higher levels of aeration.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 434/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: PARTICULATE LAUNDRY DETERGENT COMPOSITION CONTAINING ZEOLITE

<p>(51) International classification: C11D 3/02</p> <p>(30) Priority Data :</p> <p>(31) Document No. : 0115552.2</p> <p>(32) Date : 16/05/2001</p> <p>(33) Name of convention country : U.K.</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION, MUMBAI-400 020, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p>1) BAKKER VERA JOHANNA 2) KRIJGSMAN ARIE 3) LEMPERS EDWIN LEO MARIO 4) MOL JASPER</p>
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(57) Abstract: A particulate zeolite-built laundry detergent composition having a bulk density of at least 550 g/l comprising at least two different granular components containing both surfactant and builder, preferably one prepared by non-tower granulation and another spray-dried, also contains from 1 to 10 wt% citric acid admixed as a separate particulate component. The admixed citric acid improves dispensing and sodium carbonate is present.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

- (21) Application No.: 435/MUM/2002      A      (22) Date of filing of Application: 15/05/2002  
 (54) Title of the invention: ENGINE BALANCER

<p>(51) International classification: F16M 15/26</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-252169</p> <p>(32) Date : 22/08/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on : N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) AKIFUMI NOMURA</b></p>
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(57) Abstract : To facilitate the manufacture of a balancer gear and provide a balancer that enables the miniaturization of an engine.

A balancer shaft 32 is supported between a case R and a case L in parallel with a crankshaft 7, a balancer given gear 31 and a balance weight 33 are provided at one end and the balancer driven gear 31 is interlocked with the crankshaft 7. The outer diameter R2 of a part having the maximum diameter of the balance weight 33 is made larger than the root circle diameter R1 of the balancer driven gear 31 and the balance weight is attached to the outside face of the balancer driven gear 31. The fitting end 36a of a driving shaft 36 is fitted into a fitting hole 32a provided in the core at the end on the side on which the balancer given gear 31 is provided of the balancer shaft 32, the fitting end and the fitting hole are coupled so that they can be integrally rotated and drive a water pump. A balance weight 34 is integrated with the other end of the balancer shaft 32, a gear 37 for driving an accessory is integrated with the base of the balance weight 34, is engaged with an oil pump gear 38 and drives an oil pump 40.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 436/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: **CRANKSHAFT PHASE ADJUSTMENT STRUCTURE**

(51) International classification: F16M 1/00  
F02F 7/00  
F02B 77/00

(30) Priority Data :

(31) Document No.: 2001-252168

(32) Date : 22/08/2001

(33) Name of convention country : JAPAN

(66) Filed U/s. 5(2) : No

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on : N.A.

(71) Name of the Applicant:

**HONDA GIKEN KOGYO  
KABUSHIKI KAISHA**

Address of the Applicant:

**1-1, MINAMIAOYAMA 2-CHOME,  
MINATO-KU, TOKYO, JAPAN**

(72) Name of the Inventors :

(1) **AKIFUMI NOMURA**

(57) Abstract : To enable the adjustment of a phase via a single window for work.

A clutch 10 and ACG are arranged on both right and left sides of a crankcase, an oil passage is provided to the side of a crankshaft 7 on which ACG is provided and oil is supplied from an oil passage provided to a case L cover to the oil passage of the crankshaft 7. On the side of the clutch of the crankshaft 7, a primary drive gear 9 engaged with a primary driven gear 11 of the clutch 10 is fixed by a bolt 48, a window for work 49 is open to a case R cover 23 in the vicinity of the bolt 48 and is covered with a cap 50. The center line C2 of the window for work 49 is set off the axis C1 of the bolt 48, the window for work is located in a position and has size in which a head 51 of the bolt 48 and an alignment mark 54 provided to the outside periphery of the side of the primary drive gear 9 are simultaneously viewed and the interference with a clutch cover 24 is avoided. At the edge of the window for work 49, an alignment mark 55 opposite to the alignment mark 54 is provided.

Figure : 4

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 437/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: **PROCESS FOR THE PREPARATION OF AN ORAL OSMOTIC CONTROLLED DRUG DELIVERY SYSTEM**

<p>(51) International classification: A61K 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SUN PHARMACEUTICAL INDUSTRIES LTD.</b></p> <p>Address of the Applicant:</p> <p><b>ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI - 400 059, MAHARASHTRA, INDIA,</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1)DR. DHARMADHIKARI NITIN BHALACHANDRA</b>  <b>(2)MUNGRE ASHISH PRABHAKAR</b></p>
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(57) Abstract : The present invention provides a process for the preparation of an oral osmotic controlled drug delivery system comprising –

- (a) providing a core comprising a homogenous mixture of glipizide, a hydrophilic polymer and other pharmaceutically acceptable excipients
- (b) surrounding the core with a semipermeable wall, said wall being impermeable to the contents of the core, but permeable to fluids present in the environment of use, and
- (c) providing a passageway through the wall for release of contents of the core to the environment of use,

wherein components of the system are used in amounts such that the oral osmotic controlled drug delivery system is bioequivalent to Glucotrol® XL, the controlled release glipizide formulation commercially available in the United States of America

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 438/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: ORAL OSMOTIC CONTROLLED DRUG DELIVERY SYSTEM

<p>(51) International classification: A 61K 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SUN PHARMACEUTICAL INDUSTRIES LTD.</p> <p>Address of the Applicant:</p> <p>ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI – 400 059, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventor:</p> <p>(1) DR. DHARMADHIKARI NITIN BHALACHANDRA</p> <p>(2) MUNGRE ASHISH PRABHAKAR</p>
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**Abstract :** The present invention provides an oral osmotic controlled drug delivery system comprising –

- a core comprising a homogeneous mixtur of glipizide, a hydrophilic polymer and other pharmaceutically acceptable excipients,
- a simipermeable wall surrounding the core, said wall being impermeable to the contents of the core, but permeable to fluids present in the environment of use, and
- a passageway through the wall for release of contents of the core to the environment of use,

wherein components of the system are used in amounts such that the oral osmotic controlled drug delivery system is bioequivalent to Glucotrol® XL, the controlled release glipizide formulation commercially available in the United States of America.

**Figure :** NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 439/MUM/2002      A      (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: **PROCESS FOR THE PREPARATION OF COATED SUSTAINED RELEASE TABLETS OF A HYGROSCOPIC COMPOUND FOR ONCE-A-DAY THERAPY.**

<p>(51) International classification: A61K 9/22 A61K 9/28</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SUN PHARMACEUTICAL INDUSTRIES LTD.</b></p> <p>Address of the Applicant:</p> <p><b>ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI - 400 059, MAHARASHTRA, INDIA,</b></p> <p>(72) Name of the Inventors :</p> <p>(1) <b>RAO ASHWIN B.</b> (2) <b>TYEBJI ZIAUDDIN Z.</b> (3) <b>DUDHARA KAMLESH MOHANLAL</b></p>
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(57) Abstract : The present invention provides a process for the preparation of coated sustained release tablets of sodium valproate having a moderate weight and volume, for once-a-day therapy, comprising -

- (a) providing a core comprising sodium valproate and pharmaceutically acceptable excipients,
- (b) providing a first coating layer comprising a polymer selected from the group consisting of water-insoluble polymers, pH dependent polymers or a mixture thereof, and
- (c) providing a second coating layer comprising a water-insoluble polymer.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 440/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: COATED SUSTAINED RELEASE TABLETS OF A HYGROSCOPIC COMPOUND FOR ONCE-A-DAY THERAPY

(51) International classification: A61K 9/22

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : YES

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

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(72) Name of the Inventors :

- 1) RAO ASHWIN B.
- 2) TYEBJI ZIAUDDIN Z
- 3) DUDHARA KAMLESH  
MOHANLAL

(57) Abstract : The present invention provides coated sustained release tablets of sodium valproate having a moderate weight and volume, for once-a-day therapy, comprising-

- (a) a core comprising sodium valproate and pharmaceutically acceptable excipients,
- (b) a first coating layer comprising a polymer selected from the group consisting of water insoluble polymers, pH dependent polymers or a mixture thereof, and
- (c) a second coating layer comprising a water-insoluble polymer.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 441/MUM/2002 A (22) Date of filing of Application: 15/05/2002

(54) Title of the invention: A STABLE AQUEOUS COMPOSITION OF A PEPTIDE

<p>(51) International classification: A61K 38/11 A61K 47/08</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SUN PHARMACEUTICAL INDUSTRIES LTD.</p> <p>Address of the Applicant:</p> <p>ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI - 400 059, MAHARASHTRA, INDIA,</p> <p>(72) Name of the Inventors :</p> <p>(1) DR. SUBHAS BALARAM BHOWMICK (2) RITU N. LADDHA</p>
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(57) Abstract : The present invention relates to a stable aqueous composition comprising desmopressin or its other pharmaceutically acceptable salts in a pharmaceutically acceptable carrier, wherein the carrier comprises a buffering agent, a parahydroxybenzoate preservative, and a cosolvent that improves the efficacy of the preservative.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.:** 442/MUM/2002      **A**      (22) **Date of filing of Application:** 15/05/2002

(54) **Title of the invention:** AUTOMOTIVE DOOR HINGE WITH REMOVABLE COMPONENT ADAPTED FOR STRUCTURAL REASSMEBLY

(51) **International classification:** E05D 5/12, 5/06, 7/10

(71) **Name of the Applicant:**

**MULTIMATIC, INC.**

(30) **Priority Data :**

(31) **Document No.:** 2,348,323

(32) **Date :** 24/05/2001

(33) **Name of convention country :** CANADA

**Address of the Applicant:**

**85 VALLEYWOOD DRIVE, MARKHAM,  
ONTARIO L3R 5E5, CANADA**

(66) **Filed U/s. 5(2) :** NO.

(61) **Patent of addition to application No.:** NIL

(72) **Name of the Inventors :**

(62) **Filed on :** N.A.

**1) RUDOLF GRUBER  
2) DAVID CARSWELL  
3) JOHN J. SALMON**

(63) **Divisional to Application No.:** NIL

(64) **Filed on:** N.A.

(57) **Abstract :** An automotive hinge adapted to facilitate removable attachment of a closure panel to a body structure comprises a door component comprising upper and lower door component pivot arms adapted to be mounted to a vehicular closure panel, a body component comprising upper and lower body component pivot doors adapted to be mounted to a vehicular body structure, a common pivot axis around which the door component and body component are adapted to rotate in relation to each other, and a cylindrical protrusion adapted to be coaxially aligned with the pivot axis and structurally attached to and extended above the upper pivot arm of the body component, such that the door component is adapted to interleave over the body component, dimensionally locating the closure panel and the body structure by means of an external cylindrical bearing surface on the cylindrical protrusion, and is adapted to be held in assembly by means of a pivot pin which is adapted to extend through both said pivot arms of both said hinge components to create a fully structural, double hung pivot joint

**Figure : NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 443/MUM/2002 A (22) Date of filing of Application: 16/05/2002

(54) Title of the invention: V-TYPE ENGINE FOR MOTORCYCLE

<p>(51) International classification: F02B 75/22, 61/02 F02F 1/06, 1/30 F16M 1/0 26</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-273597</p> <p>(32) Date : 10/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SHIGETARO OKANO (2) TSUGUTO INAYAMA</b></p>
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(57) Abstract : In a V-type engine for a motorcycle in which both banks are arranged in a V shape in a plane orthogonal to the axis of a crankshaft and the heights of both the banks are different from each other, the heights of the pair of banks are visually recognized to be almost equal to enhance the functional beauty of the engine and improve the marketability.

In the sides of cylinders 33A, 33B and the sides of dummy covers 42A, 42B for covering at least part of cylinder heads 34A, 34B from the sides, a plurality of fins 40A, 44A, 40B, 44B aligned in the direction along cylinder axes CA, CB are provided so that the total numbers and center line mutual distances of the fins are almost equal in both banks BA, BB. Lengths LA2, LB2 between the center lines of the fins closest to a crankshaft 30 of the fins 40A, 44A; 40B, 44B and a cross point CP of the cylinder axes CA, CB are set to be almost equal in both the banks BA, BB.

Figure : 2

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 444/MUM/2002 A (22) Date of filing of Application: 16/05/2002

(54) Title of the invention: **FITTING STRUCTURE OF STEERING HANDLE AND ACCESSORY IN MOTORCYCLE**

<p>(51) International classification: B62J 39/00 B62K 19/32 B62K 21/18</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-281923</p> <p>(32) Date : 17/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) KENJI TAKO (2) FUJIO NAKAMURA (3) MASAHIRO SHIMODA</b></p>
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(57) Abstract : To enable an accessory such as a speed meter to be disposed sufficiently close to the driver without being spatially blocked by a steering handle, and to enhance visual recognizability of the accessory.

A left-right pair of handle posts 18 so bent as to direct their tips rearwards are provided in connection with the upper end of a steering stem 3a steerably supported by a head pipe 2a, a bar-type steering handle 22 is bridgingly fitted to the tips of the handle posts 18, and an accessory 24 turned together with the steering handle 22 is disposed between the handle posts 18 in proximity to a front surface of the steering handle 22.

Figure : 5

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 445/MUM/2002 A (22) Date of filing of Application: 16/05/2002

(54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARTION OF 1-CYCLOPROPYL—6,7 DIFLUORO—8- METHOXY—4-OXO-1,4-DIHYDROQUINOLINE-3-CARBOXYLIC ACID AN INTERMEDIATE USEFUL FOR THE PREPARATION OF GATIFLOXACIN

<p>(51) International classification: C07D 471/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>UNICHEM LABORATORIES LIMITED</p> <p>Address of the Applicant:</p> <p>MAHALAXMI CHAMBERS 2<sup>ND</sup> FLOOR, 22, BHULABHAI DESAI ROAD, MUMBAI – 400 026, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors :</p> <p>1) TRYMBAK MURLIDHAR SONAR 2) VAISHALI SUBHASHACHANDRA NADKARNI</p>
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(57) Abstract : The invention described in this application relates to a process for the preparation of 1-cyclopropyl-6,7-difluoro-8-methoxy-4-oxo 1,4-dihydroquinoline-3- carboxylic acid of the formula I given below, which comprises (i) methylating by conventional methods 3-hydroxy-2,4,5-trifluorobenzoic acid to get methyl-3 methoxy-2,4,5-trifluoro benzoate (ii) hydrolyzing the methyl-3-methoxy-2,4,5-trifluoro benzoate obtained in step (i) by conventional methods to produce 3-methoxy-2,4,5-trifluorobenzoic acid (iii) Converting the 3-methoxy-2,4,5-trifluoro benzoic acid obtained in step (ii) by known methods to get the corresponding acid chloride viz. 3-methoxy 2,4,5 trifluoro benzoyl chloride (iv) reacting the 3-methoxy-2,4,5 trifluoro benzoyl chloride with methyl-3-dimethyl amino acrylate to get the corresponding condensation product. (v) reacting the condensation product obtained in step (iv) with cyclopropyl amine to yield methyl-2-(3-methoxy-2,4,5-trifluoro benzoyl)-3-cyclopropyl amino acrylate (vi) cyclising the methyl-2-(3-methoxy-2,4,5-trifluoro benzoyl)-3-cyclopropyl amino acrylate obtained in step (v) by known methods to yield methyl-1-cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3-quinoline carboxylate of the formula (XXI) and (vii) hydrolyzing the methyl-1-cyclopropyl-6,7-difluoro-1,4-dihydro-8-methoxy-4-oxo-3-quinoline carboxylate obtained in step (vi) by known methods to yield 1-cyclopropyl-6,7-difluoro-8 methoxy-4-oxo 1,4-dihydroquinoline-3-carboxylic acid of the formula I, given below:-

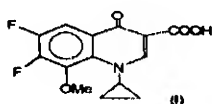


Figure : NIL

**Publication After 18 months**

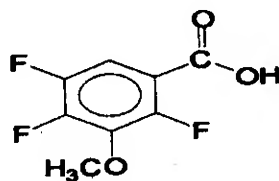
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 446/MUM/2002 A (22) Date of filing of Application: 16/05/2002

(54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF 3-METHOXY-2,4,5-TRIFLUORO BENZOIC ACID AN INTERMEDIATE USEFUL FOR THE PREPARATION OF GATIFLOXACIN

<p>(51) International classification: C07C 69/76</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>NICHEM LABORATORIES LIMITED</p> <p>Address of the Applicant:</p> <p>MAHALAXMI CHAMBERS, 2<sup>ND</sup> FLOOR, 22, BHULABHAI DESAI ROAD, MUMBAI – 400 026, MAHARASHTRA, INDIA</p> <p>(72) Name of the Inventors :</p> <p>1) TRYAMBAK MURLIDHAR SONAR 2) VAISHALI SUBHASHACHANDRA NADKARNI</p>
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(57) Abstract : The invention described in this application relates to a process for the preparation of 3-methoxy-2,4,5-trifluorobenzoic acid of the formula (V)



(V)

by (i) methylating by conventional methods 3-hydroxy-2,4,5-trifluorobenzoic acid to get methyl-3 methoxy-2,4,5-trifluoro benzoate and (ii) hydrolyzing the methyl-3 methoxy-2,4,5-trifluoro benzoate by conventional methods to produce 3-methoxy-2,4,5-trifluorobenzoic acid of the formula (V).

The compound of the formula V is an important intermediate for the preparation of Gatifloxacin

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 447/MUM/2002 A	(22) Date of filing of Application: 16/05/2002
(54) Title of the invention: A PROCESS FOR PRODUCING A HIGH PURITY NORFLOXACIN	
(51) International classification: CO7D 401/04 A61P 31/04	(71) Name of the Applicant:
(30) Priority Data :	M/S. CIPLA LTD.
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	MUMBAI CENTRAL,
(33) Name of convention country : NIL	MUMBAI - 400 008,
(66) Filed U/s. 5(2): NO.	MAHARASHTRA, INDIA.
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	1) AMAR LULLA
(63) Divisional to Application No.: NIL	2) RAJENDRA NARAYAN RAO
(64) Filed on: N.A.	KANKAN

- (57) Abstract : A process for producing a high purity Norfloxacin by
- crystalisation of 1-ethyl-6-fluoro-7-chloro-1, 4-dihydro-4-oxo-3-quinoline carboxylic acid by N, N-dimethyl formamide and further reacting with piperazine with or without using a solvent to obtain crude Norfloxacin.
  - Purifying the crude Norfloxacin obtained in the above step (a) by converting to a crystalline salt of an organic acid and neutralizing the crystalline salt to obtain a high purity Norfloxacin.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 448/MUM/2002 A (22) Date of filing of Application: 16/05/2002

(54) Title of the invention: A PROCESS FOR PREPARATION OF NORFLOXACIN

(51) International classification: CO7D 401/02  
A61K 31/495

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

M/S. CIPLA LTD.

Address of the Applicant:

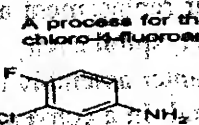
MUMBAI CENTRAL,  
MUMBAI - 400 008,  
MAHARASHTRA, INDIA.

(72) Name of the Inventors :

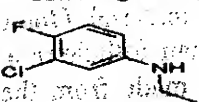
1) AMAR LULLA  
2) RAJENDRA NARAYAN RAO  
KANKAN

**(57) Abstract :**

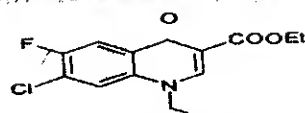
A process for the preparation of Norfloxacin by reductive ethylation of the 3-chloro-4-fluoroaniline (formula I) followed by condensation with ethoxymethylene malonic ester and cyclisation to obtain Ethyl 6-fluoro-7-chloro-1-ethyl-4-oxo quinoline-3-carboxylate (formula II) followed by condensation with piperazine followed by hydrolysis to obtain Norfloxacin



FORMULA I  
obtaining N-ethyl 3-chloro-4-fluoro aniline



FORMULA II  
followed by condensation with ethoxymethylene malonic ester and cyclisation to obtain compound of Ethyl 6-fluoro-7-chloro-1-ethyl-4-oxo quinoline-3-carboxylate



FORMULA III

followed by condensation with piperazine followed by hydrolysis to obtain Norfloxacin

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 450/MUM/2002 A (22) Date of filing of Application: 17/05/2002

(54) Title of the invention: INVENTION RELATING TO METHOD AND DEVICE FOR FOLLICULAR HAIR TRANSPLANTATION

<p>(51) International classification: A61F 2/10 A61B 17/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: NO.</p>	<p>(71) Name of the Applicant:</p> <p><b>DR. SANJIV ARUNCHANDRA VASA</b></p> <p>Address of the Applicant:</p> <p><b>4, KAILAS SOCIETY, B/H. H.K. HOUSE, ASHRAM ROAD, AHMEDABAD-380 009, GUJARAT, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>DR. SANJIV ARUNCHANDRA VASA</b></p>
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(57) Abstract : Hair transplantation is now widely accepted best hair replacement alternative for those who suffer hair loss. The improved method provides site creator, stopper, spiral cavity, stretcher, separator and slider all in one. It is comprised of cover and planter assembly. Planter assembly is stored in a cover. Cover having suitable ends to accommodate planter assembly at one end. In a conventional planter cover acts as a holder once planter assembly is fitted over it. This device is now ready for mechanical maneuvering for plantation. The planter assembly is comprised of two hollow cylindrical bodies one sleeved over the other with interfitting surface made from one or more material. One of the ends of inner body has piercing end. This hollow body is designed to accommodate hair follicle in a loading slot with a narrow neck. Outer surface is covered by fixed or detachable device made from the same or different material designed to act as a depth control device. The hair follicle loaded planter is pushed into desired area up to stopper and rotated. Through stretched orifice and separated walls of the cavity sliding of follicle is facilitated into snugly fitting site maintaining its integrity. Even after withdrawal of planter hair follicle remains firmly implanted.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 451/MUM/2002      A      (22) Date of filing of Application: 20/05/2002

(54) Title of the invention: A WATER-SOLUBLE DRY COMPOSITION

<p>(51) International classification: A61K 9/00 A61K 9/19</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 180796/1998</p> <p>(32) Date : 24/06/1998</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: IN/PCT/2000,00012/MUM</p> <p>(64) Filed on: 02/03/2000</p>	<p>(71) Name of the Applicant:</p> <p>OTSUKA PHARMACEUTICAL CO. LTD.</p> <p>Address of the Applicant:</p> <p>9, KANDATSUKASACHO 2-CHOME, CHIYODA-KU, TOKYO 101-0048, JAPAN</p> <p>(72) Name of the Inventors :</p> <p>1) YAMASHITA CHIKAMASA 2) ODOMI MASAACKI</p>
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(57) Abstract : A foam inhibitor comprising hydrophobic amino acid as essential component which is suitable for inhibiting foaming induced when dissolving a dry composition containing saccharide.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) **Application No.:** 452/MUM/2002 A (22) **Date of filing of Application:** 21/05/2002

(54) **Title of the invention:** A NEW SYSTEM, MILEAGE MAXIMISER FOR USE IN VARIOMATIC DRIVEN TWO OR MORE WHEELED AUTOMOBILES FOR OPTIMUM FUEL ECONOMY

(51) **International classification:** H01F 21/00

(30) **Priority Data :**

(31) **Document No.:** NIL

(32) **Date :** N.A.

(33) **Name of convention country :** NIL

(66) **Filed U/s. 5(2) :** NO.

(61) **Patent of addition to application No.:** NIL

(62) **Filed on :** N.A.

(63) **Divisional to Application No.:** 261/BOM/1997

(64) **Filed on:** 18/04/1997

(71) **Name of the Applicant:**

**KINETIC MOTOR COMPANY  
LIMITED**

**Address of the Applicant:**

**NEETA TOWERS, MUMBAI-PUNE  
ROAD, DAPODI, PUNE-411 012,  
MAHARASHTRA STATE, INDIA**

(72) **Name of the Inventors :**

**1) ARUN HASTIMAL FIRODIA  
2) AVINASH MADHUKAR SHIROLKAR  
3) SANJEEV NARENDRA KULKARNI  
4) ASHOK AKKAPPA KUMBHAR  
5) UDAY WASANT GADGIL**

(57) **Abstract :** A new system, Mileage Maximizer for use in Variomatic driven two or more wheeled automobiles, which guides the rider to drive in optimum fuel economy zone, comprising: (a) Speedometer unit with 'UP' and 'DOWN' arrow indicator embedded in it, (b) a Buzzer assembly and (c) a programmed Microprocessor based Electronic device consisting of the engine rpm sensing and sending appropriate signals to both the arrow indicator in the speedometer and the buzzer assembly and all drawing power from the battery connected by wiring harness and in turn connected to the engine of the vehicle to enable the rider to receiver the audio-visual signals to adjust the speed of the vehicle for getting Optimum Fuel Economy.

**Figure : NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 454/MUM/2002 A (22) Date of filing of Application: 21/05/2002

(54) Title of the invention : AN IMPROVED HAND PUMP FOR LIFTING WATER OR THE LIKE LIQUID

(51) International classification: B67D 5/40

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

PITRODA KHERAJBHAI GOVINDBHAI

Address of the Applicant:

C/O. HARIOM WELDING WORKS  
MOTA MAYA KALVAD ROAD,  
RAJKOT- 360 005

(72) Name of the Inventors :

1) PITRODA KHERAJBHAI  
GOVINDBHAI

(57) Abstract : An improved hand pump, for lifting water or the like liquid comprises a pump body with an outlet spout, mounted on a foundation at the ground surrounding a casing pipe, a piston-cylinder assembly provided inside the said casing pipe adapted for moving up and down in the reciprocating manner for lifting and delivering water/liquid through the said spout, a piston/connecting rod, connected to the piston of the said piston-cylinder assembly and extended through the said casing pipe and the said pump body, a top flange provided at the top of the pump body, a pump head and stand-assembly mounted on the said top flange, a chain connected to the top end of the said piston/connecting rod, the said chain passing through a chain guide means consisting of a substantially half round chain gallery formed by pair of substantially half, round plates, the free end of the said chain fixed to the said half round plates, a handle fixed to the said half round plates with the help of a pair of bushes and bearing assembly provided with a bearing axle.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 455/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: A PROCESS FOR PRODUCING DEHAIRIED SKINS AND HIDES THEREWITH.

<p>(51) International classification: C10M 3/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>ANITA MARY DESOUZA</b></p> <p>Address of the Applicant:</p> <p><b>A-13 MICHAEL APARTMENTS, P K ROAD, MULLUND (W), MUMBAI- 400 080</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) ANITA MARY DESOUZA</b></p>
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(57) Abstract : This invention relates to a novel composition for dehairing skins and hides. This composition eliminates the use of sulphides and is therefore eco-friendly. The product obtained after treatment has better whiteness and more surface area. The composition according to this invention consists of extracts from plants belonging to Asclepiadeaceae family, particularly of calotropis species, an acid protease known wetting agents and fillers. This invention also includes a process for producing dehaired skins and hides which comprises treating raw skins, hides with the above composition and removing detached pair from the surface thereof.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 456/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: ENGINE FOR MOTORCYCLE

<p>(51) International Classification: F01P 1/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-273598</p> <p>(32) Date : 10/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SHIGETARO OKANO (2) SYUICHI OCHIAI (3) ITOKO KOBAYASHI</b></p>
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(57) Abstract : An engine for a motorcycle having dummy covers (42A, 43A; 42B, 43B) for covering at least part of cylinder heads (34A, 34B) from the sides; and overhead covers (64A, 65A; 64B, 65B) for covering at least part of head covers (35A, 35B) coupled to said cylinder heads (34A, 34B) from above and the sides, wherein: at least one spot of said dummy covers (42A, 43A; 42B, 43B) is fastened to an engine main unit (32) including said cylinder heads (34A, 34B) and head covers (35A, 35B) with bolts (49, 60), and a plurality of engaging protrusions (66, 67, 70, 71) provided in said overhead covers (64A, 65A; 64B, 65B) formed in a shape to cover said bolts (49, 60) are resiliently engaged with said engine main unit (32) or dummy covers (42A, 43A; 42B, 43B) so as to be detachable or attachable.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 457/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: STEERING UNIT

<p>(51) International classification: B62K 15/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-266556</p> <p>(32) Date : 03/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) YUKINORI KURAKAWA, (2) YOSHIYUKI HORII (3) SHOJI YAMAMOTO</b></p>

(57) Abstract : To provide a motorcycle a handlebar of which can be housed compactly.

A steering unit according to the invention comprises a front fork 106 that supports a front tire FW so that the front tire can be turned, a handlebar including a pair of right and left handlebar members including a handlebar grip 104 and a handlebar shaft 102 and a handlebar bridge 108 that supports each handlebar shaft 102 so that each handlebar shaft can be slid and couples each handlebar shaft 102 to the front fork 106. When the motorcycle is made compact, first handlebar locking is released and next, right and left L-type handlebar pipes are turned inside by 90 degrees. Afterward, the handlebar shaft 102 is pushed downward together with a meter unit 101.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 458/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: SEAT HOLDING STRUCTURE OF TWO-WHEEL VEHICLE AND TWO WHEEL VEHICLE

<p>(51) International classification: B62K 15/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-268114</p> <p>(32) Date : 04/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HONDA GIKEN KOGYO KABUSHIKI KAISHA</p> <p>Address of the Applicant:</p> <p>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</p> <p>(72) Name of the Inventors :</p> <p>(1) SEIICHI KUROHORI (2) HIROMI FURUHASHI (3) YUTAKA MURATA</p>
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(57) Abstract : A seat holding mechanism 351 for holding a seat 334 rotatably in the horizontal direction at a predetermined height is provided on the seat 334 side.

For example, when a seat is constructed to be rotatable in the horizontal direction at a predetermined height and to be fixed at another height, by fixing the seat in a driving mode, the riding state can be assured. By adjusting the seat at the predetermined height in a non-driving mode, the seat can rotate in the horizontal direction. Consequently, the seat can be used as a chair, and new product attractiveness can be derived.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 459/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: **THERMALLY STABLE PHOSPHOROTHIONATES AS ANTIOXIDANT, ANTIWEAR, FRICTION REDUCING & EXTREME PRESSURE LUBRICANT ADDITIVES FROM CASHEW NUT SHELL LIQUID.**

<p>(51) International classification: C10M 137/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(51) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>INDIAN OIL CORPORATION LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>AN INDIAN COMPANY, G-9, ALI YAVAR JUNG MARG, BANDRA (EAST), MUMBAI: 400 051, MAHARASHTRA, INDIA,</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) RANJAN RAJEEV 2) DR. ARORA AJAY KUMAR 3) DR. SARIN RAKESH 4) DR. TULI DEEPAK KUMAR 5) DR. VERMA RAM PRAKASH 6) DR. BHATNAGAR AKHILESH KUMAR</b></p>
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(57) Abstract : Phosphorothionate derivatives derived from cashew nut shell liquid (CNSL) for use as an thermally table antioxidant, antiwear, friction reducing and extreme pressure additives in a lubricant composition are synthesized by the steps of (a) partially hydrogenating distilled technical cashew nut shell liquid with palladium or nickel or platinum catalyst; to hydrogenate the olefinic chain; (b) reacting partially hydrogenated technical cashew nut shell liquid with phosphorus trihalide and sulphur, the reaction being carried out at temperature ranging from 20 to 220 C. A lubricant containing a major proportion of a material selected from the group consisting of an oil of lubricating viscosity or a grease; and remainder an additive including CNSL phosphorothionate derivative; prepared by the foregoing process.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 460/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: NOVEL PROCESS FOR PRODUCTION OF THE SOMATOSTATIN ANALOG, OCTREOTIDE

<p>(51) International classification: C07K 14/655</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 261/BOM/1997</p> <p>(64) Filed on: 18/04/1997</p>	<p>(71) Name of the Applicant:</p> <p><b>WOCKHARDT LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>WOCKHARDT TOWERS, BANDRA KURLA COMPLEX, BANDRA (EAST), MUMBAI 400 051, MAHARASHTRA STATE, INDIA</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) DR. NISHITH C CHATURVEDI 2) DR. SURESH BERI 3) RAVINDRA D YEOLE 4) DR. NOEL J DE SOUZA</b></p>

(57) Abstract : The present invention relates to a process for commercial production of octreotide using solution peptide chemistry and inexpensive amino acid derivatives. Thus the hexapeptide (Boc) D-Phe-Cys(Acm)-Phe-D-Trp-Lys(Boc)-Thr-Ome is synthesized by condensation of two tripeptide fragments, saponified and condensed with Cys(Acm)-Thr-OL to give the linear octapeptide alcohol. The linear peptide alcohol is treated with iodine, after removal of Boc groups, to give the cyclic peptide octreotide. The linear octapeptide alcohol can alternately be made by condensation of the protected hexapeptide acid with the dipeptide Cys(Acm)-Thr-Ome, followed by reduction with sodium borohydride.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 461/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: A PROCESS FOR THE MANUFACTURE OF POLYPLEFINS USING NON-METALLOCENE CATALYSTS.

<p>(51) International classification: B01J 21/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>INDIAN PETROCHEMICALS LIMITED.</b></p> <p>Address of the Applicant:</p> <p><b>P.O. PETROCHEMICALS, DISTRICT VADODARA 391 346, GUJARAT, INDIA, A GOVT. OF INDIA COMPANY, INCORPORATED UNDER THE COMPANIES ACT, 1956.</b></p> <p>(72) Name of the Inventors :</p> <p>(1) TALAPATRA SUBHASIS (2) CHOUDHARY M.S. (3) TEMBE G.L. (4) BANDYPOADHYAY A.R. (5) UPADHYAY V.K. (6) JAIN R.C. (7) RAVINDRANATHAN M.</p>
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(57) Abstract : A process for the polymerisation of olefinic monomers is disclosed. The process comprises contacting said monomers with a non-metallocene transition metal compound catalyst at ambient or slightly elevated temperature, preferably, in the presence of a cocatalyst.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 462/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: A DEVICE FOR MANUALLY HAULING OF AGRICULTURAL PRODUCE

<p>(51) International classification: B65D 1/38</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) DHANPAT SETH 2) SUNIL SETH 3) SUBHASH SETH 4) SAROJ SETH 5) SHAILA SETH 6) BHARATI SETH 7) SANGITA SETH</p> <p>Address of the Applicant:</p> <p>NIOVEL APPLIANCES INDIA, 305, DOL-BIN-SHIR, 69/71, GHOGA STREET, FORT, MUMBAI : 400 001, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventors :</p> <p>1) DHANPAT SETH</p>
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(57) Abstract : A device for hauling agricultural produce comprising a container of synthetic polymeric material defined by a hollow frusto-conical body open at the top and closed at the base and tapering from the operative open top to the base with perforated walls, said perforations being essentially quadrilateral in configuration and reducing in dimensions from the operative top to the base; said wall having a contour adapted to proximate the back of a human body; and removable harnessing means secured to the container having straps and buckle formations adapted to be removably secured to and around the perforations in the said wall and looping means around the back and shoulders of an individual

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 463/MUM/2002 A (22) Date of filing of Application: 24/05/2002

(54) Title of the invention: EFFICIENT HEATER STIRRER

(51) International classification: B05B 1/02	(71) Name of the Applicant:
(30) Priority Data :	DR. CHANDRAKANT S. SHAH
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	133, PROGRESS HEIGHTS, GLOVERSVILLE, NY 12078, USA
(33) Name of convention country : NIL	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : NO.	DR. CHANDRAKANT S. SHAH
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : An apparatus, which uses steam for heating liquid. The steam completely condenses in the liquid while passing through the apparatus and thereby transfers all the heat energy of the steam to the liquid. The mixture of the liquid and the condensed steam exits from the apparatus as high velocity free jet, which produces circulating current in the liquid being heated, causing stirring of the liquid. The apparatus saves energy as it eliminates mechanical stirrer and reduces steam consumption for heating of the liquid. The apparatus can also be used for stirring when no heating is required. In this case, instead of steam, the liquid is pumped into the apparatus for the stirring.

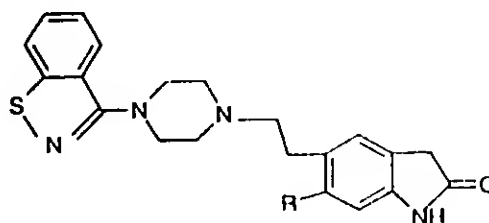
Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 464/MUM/2002 A	(22) Date of filing of Application: 24/05/2002
(54) Title of the invention: A PROCESS FOR THE PREPARATION OF OXINDOLE DERIVATIVES	
(51) International classification: C07C 205/06	(71) Name of the Applicant:
(30) Priority Data :	SUN PHARMACEUTICAL INDUSTRIES LTD.
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	ACME PLAZA, ANDHERI-KURLA ROAD, ANDHERI (E), MUMBAI - 400 059, MAHARASHTRA, INDIA,
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	(1) PERIYANDI NGARAJAN
(62) Filed on : N.A.	(2) DR. KILARU SRINIVASU
(63) Divisional to Application No.: NIL	(3) DR. THIENNATI RAJAMANNAR
(64) Filed on: N.A.	

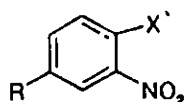
(57) Abstract : A process for the preparation of oxindole derivative of formula I



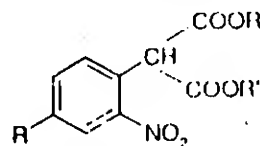
formula I

comprising

reacting compound of formula II with dialkyl malonate,  $\text{COOR}^1\text{-COOR}^1$ , in the presence of a mild base to give compound of formula III; and



formula II



formula III

wherein R is selected from hydrogen, linear, branched or cyclic alkyl, aryl, substituted aryl, heteroaryl, haloalkyl like  $\text{CF}_3$ , alkoxy, haloalkoxy, thioalkyl and halogen;  $\text{R}^1$  is selected from linear, branched and cyclic alkyl ( $\text{C}_1$  to  $\text{C}_4$  groups); and X is selected from chloro, bromo, fluoro and iodo groups;

further converting compound of formula III to compound of formula I.

Fig. Nil

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 465/MUM/2002 A (22) Date of filing of Application: 27/05/2002

(54) Title of the invention: MINI SCOOTER

<p>(51) International classification: B62K 11/00,17/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 091108315</p> <p>(32) Date : 23/04/2002</p> <p>(33) Name of convention country : TAIWAN ROC</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>YUAN-FEN CHUNG</p> <p>Address of the Applicant:</p> <p>4F, NO. 62, YUNG HENG ROAD, YUNGHO, TAIPEI HSIEN, TAIWAN, TAIWAN R O C</p> <p>(72) Name of the Inventors :</p> <p>(1) YUAN-FEN CHUNG</p>
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(57) Abstract : A mini scooter includes a wheel member, a wheel support member, a steering rod, a steering rod support, a wheel cover plate, and a pedal. The wheel member includes a wheel with a transmission ring in the center, and a unidirectional rotary bearing, a pivot shaft of which serves as a wheel axle. Two ends of the wheel axle are respectively provided with cover plates. The cover plates are connected to the transmission ring. The wheel support member includes a wheel support with a top portion having a through hold and having an inverted U-shaped cross section. Securing bolts extend through through holes in the wheel support and engage with nuts. Two ends of the bearing pivot shaft are provided with axle bearings. Two sides of the wheel support respectively form circular holes for receiving the axle bearings. The wheel cover plate is disposed on and secured to the securing bolts in the through holes in the wheel support. The wheel cover plate has a top portion provided with front and rear stop blocks. A rear end of the wheel cover plate is connected to the pedal. The steering rod support includes a steering rod upper support and two steering rod side supports connected to two ends of the wheel axle and disposed on outer sides of the wheel support. Two steering rod side support are respectively connected to the steering rod upper support. The steering rod is secured on a top portion of the steering rod upper support at a middle position such that when the steering rod swings forward and rearward, the swinging angles are limited within a range defined by the front and rear stop blocks.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 466/MUM/2002 A (22) Date of filing of Application: 27/05/2002

(54) Title of the invention: IMPELLER WITH FIVE VANES AND FIVE HOLES FOR PUMP WITH OPTIMUM CAPACITY, HEAD AND EFFICIENCY

(51) International classification: F04D 29/00,29/34	(71) Name of the Applicant:
(30) Priority Data :	GAJANAN HEGDE
(31) Document No.: NIL	Address of the Applicant:
(32) Date : N.A.	J-340, MIDC INDUSTRIAL AREA, BHOSARI, PUNE- 411 028
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	(1) GAJANAN HEGDE
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : An impeller as claimed is having five vanes and five holes for pump with optimum capacity, head and efficiency

Figure : NIL

### **Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 467/MUM/2002 A (22) Date of filing of Application: 27/05/2002

(54) Title of the invention: IMPELLER WITH SIX VANES AND THREE HOLES FOR PUMP WITH OPTIMUM CAPACITY, HEAD AND EFFICIENCY

<p>(51) International classification: F04D 017/08</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>GAJANAN HEGDE</b></p> <p>Address of the Applicant:</p> <p><b>J-340, MIDC INDUSTRIAL AREA, BHOSARI, PUNE- 411 028</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) GAJANAN HEGDE</b></p>

(57) Abstract : An impeller as claimed is having six vanes and three holes for pump with optimum capacity, head and efficiency

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 468/MUM/2002 A (22) Date of filing of Application: 27/05/2002

(54) Title of the invention: IMPELLER WITH SEVEN VANES AND TWO HOLES FOR PUMP WITH OPTIMUM CAPACITY, HEAD AND EFFICIENCY

(51) International classification: F04D 29/32	(71) Name of the Applicant:  GAJANAN HEGDE
(30) Priority Data :	Address of the Applicant:
(31) Document No.: NIL	J-340, MIDC INDUSTRIAL AREA, BHOSARI, PUNE- 411 028
(32) Date : N.A.	
(33) Name of convention country : NIL	
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	(1) GAJANAN HEGDE
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : An impeller as claimed is having seven vanes and two holes for pump with optimum capacity, head and efficiency

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 469/MUM/2002 A (22) Date of filing of Application: 27/05/2002

(54) Title of the invention: HEAVY DUTY ANGULAR CONTINUOUS STITCHER

<p>(51) International classification: B 25H 1/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SARDAR DARSHAN SINGH SEHMI PARANJIT KAUR SEHMI GURPREET KAUR SEHMI</b></p> <p>Address of the Applicant:</p> <p><b>44, DAMJI SHAMJI INDUSTRIAL COMPLEX, MAHAKALI CAES ROAD, ANDHERI (E), MUMBAI : 400 093, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SARDAR DARSHAN SINGH SEHMI</b></p>
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(57) Abstract : Heavy Duty Angular Continuous Stitcher consisting of a Head (A) mounted on the front end of body (B) at an angle of 45°; said body (B) is provided with a clutch electromagnetic mechanism (C) at its rear end; said body is mounted on the peddelstel (C) through the arm (D); said clutch electromagnetic mechanism (E) is activated by a Foot Switch (F) the said clutch electromagnetic mechanism is further provided with a ½ HP motor; the said head is consisting of main rotary cam to provide to and fro movement to the feeder block (29-Fig. 2) by means of feed lever (31-Fig. 2) and the feeder slide complete with the cutting tube and gripper block (32-Fig. 2) the feeder pulls the stitching wire from spool passing through the wire guide spring (68-Fig.2) with the help of slider with adjusting nut and locking spring which the stitching wires cut in a pre-determined size by means of cut off slide (14-Fig.2) cutting tube (11-Fig.2) and cut off knife (10-Fig.2) the said cut off wire piece then passed to the rear loop bar which bent to 'U' shape by the former (28-Fig.2). The said 'U' shape staple is then bears through the corrugated sheet by means of Driver; the 'U' shape staple is then clinched (made to move each other by clincher Ram) (13-Fig.2) which is situated on the front end on the arm (D) thereby flurality stapling is done on heavy thick material cardboard by single head, single stroke, high speed, stitching machine which gives excellent performance, simplicity of operation, maintenance and reliability with low running cost.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 470/MUM/2002 A (22) Date of filing of Application: 27/05/2002  
 (54) Title of the invention: WHEEL STRUCTURE.

<p>(51) International classification: B60B 3/00 F16D 51/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-271640</p> <p>(32) Date : 07/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) YOHEI MAKUTA (2) SHINJI TAKAYANAGI (3) TOMOKAZU SAKAMOTO</b></p>
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(57) Abstract : A drum brake 126 for braking a wheel 68 is disposed on the inside in the radial direction of an electric motor 116.

By a drum in a drum brake, the drum brake and an electric motor can be separated from each other. Wear powders of a brake shoe do not adhere to a permanent magnet of the electric motor and an influence is not exerted on the performance of the electric motor, so that the performance of the electric motor can be maintained. The electric motor and the drum brake can be disposed concentrically, so that the width of the wheel is reduced. Thus, a small and compact wheel can be realized.

Figure : 7

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 471/MUM/2002 A (22) Date of filing of Application: 27/05/2002
- (54) Title of the invention: INDICATOR OF MOTOR-ASSISTED BICYCLE

<p>(51) International classification: B60K 9/00 B62M 23/02 G09F 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-303697</p> <p>(32) Date : 28/09/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) RYUJI AKIBA (2) TOSHIYUKI CHO</b></p>
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(57) Abstract : To provide an indicator that displays conditions of assist, regenerative charging and the like and allows an operator or visually check the conditions, an indicator 28 attached to a part of a handlebar of a motor-assisted bicycle includes: a push button 28a; an indicator 28 attached to a part of a handlebar of a motor-assisted bicycle includes: a push button 28a; mode display lamps 28b for displaying conditions of an assist motor, that is, a standard (STD) mode an ECO mode, and an S-ECO mode; a bar graph 28c; and a type displays unit 28d for displaying either one of "regeneration," "driving," and "battery". When the assist motor is switched to the ECO mode, for example three lamps associated with the ECO mode blink for a few seconds to notify the change. At a time of regeneration (or driving) during traveling, the regeneration (driving) on the type display unit 28d is displayed brightly and an amount of regenerative charging (assist) is displayed on the bar graph 28c. When the push button 28a is pressed the battery on the type display unit 28d is displayed brightly and a battery charge level is displayed on the bar graph 28c.

Figure : 13

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 472/MUM/2002 A (22) Date of filing of Application: 28/05/2002

(54) Title of the invention: PROCESS FOR THE PREPARATION OF AMORPHOUS ATORVASTATIN CALCIUM

<p>(51) International classification: A61K 031/40 C07D 405/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>CADILA HEALTHCARE LTD.</b></p> <p>Address of the Applicant:</p> <p><b>ZYDUS TOWER, SATELLITE TOWER, SATELLITE CROSS ROAD, AHMEDABAD 380 015, GUJARAT, INDIA, A COMPANY INCORPORATED UNDER THE COMPANIES ACT, 1956.</b></p> <p>(72) Name of the Inventors :</p> <p>1) AGARWAL VIRENDRA KUMAR 2) VAKIL MANISH HARSHADBHAI 3) PANDITA KANWAL 4) MANAKIWALA SATISH CHAMPAKLAL 5) PATEL PANKAJ RAMANBHAI</p>
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(57) Abstract : The present invention relates to a process for the preparation of amorphous atorvastatin calcium. In essence, the process comprises dissolving form-I or a mixture of crystalline and amorphous atorvastatin calcium in a solvent consisting of an aliphatic acyclic ketone, filtering the solution and removing the solvent at 40 to 50° C under vacuum.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 473/MUM/2002 A (22) Date of filing of Application: 28/05/2002  
 (54) Title of the invention: APPARATUS FOR MANUFACTURING WIRE

<p>(51) International classification: B21C 1/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>CHENG-LANG TSAI</b></p> <p>Address of the Applicant:</p> <p><b>NO. 38, LANE 196, KWANGFU ROAD, SEC. 2, SAN CHUNG CITY, TAIPEI HSIEN, TAIWAN, REPUBLIC OF CHINA</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) CHENG-LANG TSAI</b></p>
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(57) Abstract : The present invention relates to an apparatus for manufacturing wire having an inverted cone-shaped cylinder within a spool, wherein the diameter of the top end of the cylinder is larger than the lower end thereof enabling a tape wound thereon unwound from the spool to go from a lower position to a higher position of the cylinder while the tape being wrapped on the wire due to the centrifugal force of rotation in the wrapping process. This has the benefit of preventing the subsequent turns of the tape from loosing out of the spool, and enables the tape being continuously, evenly, and securely wrapped on the wire in a high speed operation.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: 474/MUM/2002 A (22) Date of filing of Application: 28/05/2002  
 (54) Title of the invention: ELECTRICALLY DRIVEN VEHICLE

<p>(51) International classification: B62J 9/00 B60K 1/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2001-192835 &amp; 2001-191388</p> <p>(32) Date : 26/06/2001 &amp; 25/06/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1-1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) AKIO MATSUZAKI (2) OSAMU WATANABE</b></p>
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- (57) Abstract : An electrically driven vehicle comprising a transmission for transmitting power from a motor disposed on the front side of a rear wheel to said rear wheel, said transmission being disposed on one side of a vehicle body, wherein said electricity driven vehicle comprises:  
 a charger disposed at a side portion of said vehicle body opposite to the side of said transmission,  
 a charger cooling fan disposed at an upper portion of said charger, and  
 a body cover comprising side cover portions whose lower end positions are so set as to cover side portions of said charger cooling fan.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

- (21) Application No.: 476/MUM/2002 A (22) Date of filing of Application: 29/05/2002  
 (54) Title of the invention: HEAT-ABSORBING POLYMER COMPOSITION

<p>(51) International classification: C08K 5/34, 5/50</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 10128704.6</p> <p>(32) Date : 13/06/2001</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>BAYER AKTIENGESELLSCHAFT</b></p> <p>Address of the Applicant:</p> <p><b>D-51368 LEVERKUSEN, GERMANY          A BODY CORPORATE ORGANISED          UNDER THE LAWS OF GERMANY.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) MARTIN DOBLER          (2) WOLFGANG EBERT</b></p>
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(57) Abstract : A thermoplastic molding composition suitable for, among others, glazing applications is disclosed. The composition contains a transparent thermoplastic, an organic infrared absorber and a phosphine compound, is characterized by a low tendency to yellowing even after prolonged exposure to thermal stressing manifested by a small change in its Yellowness Index.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amentment) Act, 2002

(21) Application No.: 477/MUM/2002 A (22) Date of filing of Application: 29/05/2002

(54) Title of the invention: AN IMPROVED PAINT BRUSH/FITTED ALONG WITH TE CLIP

<p>(51) International classification: A46B 5/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>RAJPUT KIRPAL SINGH PURAN SINGH</p> <p>Address of the Applicant:</p> <p>C/O. MARKET SHARE CONSULTANTS, 25/1, LATIF HOUSE, 2<sup>ND</sup> FLOOR, S.T ROAD, MASJID, MUMBAI- 400 009, MAHARASHTRA, INDIA, INDIAN NATIONAL</p> <p>(72) Name of the Inventors :</p> <p>1) RAJPUT KIRPAL SINGH PURAN SINGH</p>

(57) Abstract : This invention relates to an improved paint-brush comprising a conventional paint-brush, with one or more clips either fixed and/or with means to fix a clip on its side so that the clip makes the said paint-brush stand with handle of the said brush projecting outside the paint-can and the hair of the said paint-brush inside the open paint-can and the said clip in use. Remaining outside the can.

The improved paint-brush of the present invention allows the paint to drain the paint can when painting is paused, gives the full value of the paint, maintains the ease of brushing throughout the painting operation, protects the hair of the paint brush from getting hard, increases the life of the paint-brush. Further, it allows to let the paint-brush be dipped, to the desired level inside the paint can and saves wastage of paint, and improves ease of application. The improved paint-brush of the present invention, improves the existing method and manner of painting and operating of paint-brush and simplifies the art and labour of painting, provides a smooth and even surface coating of paint layer on paintable surface, and increases the efficiency of painting.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 478/MUM/2002 A (22) Date of filing of Application: 30/05/2002

(54) Title of the invention: **METHOD OF MANUFACTURING A PHARMACEUTICAL DELIVERY DEVICE**

<p>(51) International classification: A61K 9/48</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>STRIDES ARCOLAB LTD.</b></p> <p>Address of the Applicant:</p> <p><b>201, DEVAVRATA, SECTOR 17, VASHI, NAVI MUMBAI-400 703, INDIA</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) IYER V. S. 2) KATAGERI SHIVARAJ 3) RADHAKRISHNAN RAMACHANDRA 4) GADDIPATI NEHRU BABU</b></p>

(57) Abstract : A pharmaceutical formulation encapsulated in a soft gelatin capsule, the formulation comprises loratadine as the active ingredient. The formulation also comprises a solubilizer, surfactants, co-surfactants, diluents and a thickening agent. A self emulsifying drug delivery system for oral administration of a pharmaceutical formulation, the formulation comprising loratadine as the pharmaceutical active with a solubilizer, self emulsifying agent, diluents and a thickening agent.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 479/MUM/2002 A (22) Date of filing of Application: 30/05/2002

(54) Title of the invention: LIQUID CATALYST

(51) International classification: B01J 31/00	(71) Name of the Applicant:  EMS-CHEMIE AG
(30) Priority Data :	Address of the Applicant:
(31) Document No.: 101 29 049.7	REICHENAUERSTRASSE , CH-7013
(32) Date : 15/06/2001	DOMAT/EMS, SWITZERLAND
(33) Name of convention country : GERMANY	(72) Name of the Inventors :
(66) Filed U/s. 5(2) : NO.	(1) EDUARD SCHMID
(61) Patent of addition to application No.: NIL	(2) IVANO LAUDONIA
(62) Filed on : N.A.	(3) EVELINE KUNZI
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The invention relates to liquid catalysts for implementation of anionic lactam polymerization, containing a conversion product of lactam, isocyanate and a base, the conversion product being dissolved in a solvation medium, and also a method for the production thereof. These catalysts are used for direct production of granulate or utility objects made of polylactam.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 481/MUM/2002 A (22) Date of filing of Application: 30/05/2002

(54) Title of the invention: LOW-CALORIE COMPOUNDED TEA COMPOSITION

<p>(51) International classification: A23F 3/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>RAJEEV AGNIHOTRI</b></p> <p>Address of the Applicant:</p> <p><b>71, SHREE NAGAR EX., INDORE 452 001, MADHYA PRADESH, INDIA, AN INDIAN NATIONAL</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) RAJEEV AGNIHOTRI</b></p>
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(57) Abstract : A low-calorie compounded tea composition comprising tea particles, extract of moringa olifera, and a sweetener of high sweetness wherein said extract of moringa olifera is present in dispersibility of solubility improving and aftertaste masking effective amounts.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 482/MUM/2002 A (22) Date of filing of Application: 30/05/2002

(54) Title of the invention: **PROCESS FOR MAKING PHARMACEUTICAL COMPOSITIONS**

(51) International classification: A61K 31/135

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

**EMCURE PHARMACEUTICALS  
LIMITED**

Address of the Applicant:

**EMCURE HOUSE, T-184, M.I.D.C.,  
BHOSARI, PUNE-411 026,  
MAHARASHTRA, INDIA,  
AN INDIAN COMPANY**

(72)

Name of the Inventors :

- 1) SATISH MEHTA
- 2) MANJUSHA JOSHI
- 3) SHRIKANT PIMPLE
- 4) GANESH GAT.

(57) Abstract : A process for manufacturing an ambroxol core doxycycline shell film coated tablet is disclosed, The granules of the active ambroxol ingredient along with fillers and programmed release agents are first compressed into a soft core and the shell is then compressed in the core at higher pressures, The tablet so formed is film coated, The tablet has proved effective in bronchitis.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 483/MUM/2002 A (22) Date of filing of Application: 31/05/2002

(54) Title of the invention: AN IMPROVED PROCESS FOR THE PREPARATION OF "H-TYPE" CRYSTALS OF N-(TRANS-4-ISOPROPYLCYCLOHEXYLCARBONYL)-D-PHENYLALANINE

<p>(51) International classification: C07C 229/08, 229/38</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 261/BOM/1997</p> <p>(64) Filed on: 18/04/1997</p>	<p>(71) Name of the Applicant:</p> <p><b>ALEMBIC LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>ALEMBIC ROAD, VADODARA – 390003, GUJARAT, INDIA</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) MITESH GANDHI 2) ANURAG HINKARI 3) KESHAV DEO 4) V. K. KANSAL</b></p>
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(57) Abstract : Trans-[4-isopropyl cyclohexyl carboxylic acid] in dichloromethane was reacted with thionyl chloride at 25 – 30°C and then with mixture of phenylalanine methyl ester hydrochloride and triethylamine. The contents after quenching in water were extracted in dichloromethane and intermediate product was isolated by evaporating the solvent. Above intermediate product dissolved in methanol was reacted with sodium hydroxide solution at 25 –30°C and solvent was recovered under reduce pressure. The contents were acidified and extracted in a suitable water immiscible solvent, Crystals of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine "H-type" were obtained by filtration and drying after reducing the solvent volume and seeding with pure "H-type" crystals of N-(trans-4-isopropylcyclohexylcarbonyl)-D-phenylalanine.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 484/MUM/2002 A (22) Date of filing of Application: 31/05/2002

(54) Title of the invention: A PROCESS FOR THE PREPARATION OF PHENYL CARBAMATES

(51) International classification: C 07 C 271/28

(30) Priority Data :

(31) Document No.: NIL

(32) Date : N.A.

(33) Name of convention country : NIL

(66) Filed U/s. 5(2) : NO.

(61) Patent of addition to application No.: NIL.

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL.

(64) Filed on: N.A.

(71) Name of the Applicant:

SUN PHARMACEUTICAL  
INDUSTRIES LTD.

Address of the Applicant:

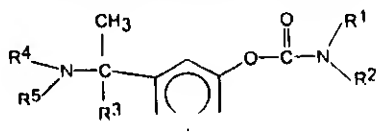
ACME PLAZA, ANDHERI-KURLA  
ROAD, ANDHERI (E), MUMBAI -  
400 059, MAHARASHTRA, INDIA.

(72) Name of the Inventor:

- (1) PATEL, HETAL KUMAR  
VIRENDRABHAI
- (2) DR. THIENNATI  
RAJAMANNAR

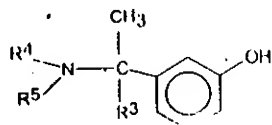
**(57) Abstract :**

The present invention provides a process for the preparation of a compound of formula I



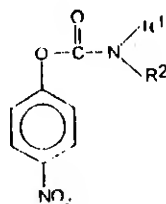
(I)

wherein  $R^1$  is hydrogen, linear, branched or cyclic lower alkyl, cyclohexyl, allyl, propargyl or benzyl;  $R^2$  is hydrogen, methyl, ethyl or propyl; or  $R^1$  and  $R^2$  together with the nitrogen to which they are attached form a cyclic moiety of three to eight membered ring, with or without a hetero atom like nitrogen or oxygen;  $R^3$  is hydrogen or lower alkyl;  $R^4$  and  $R^5$  are the same or different and each is a lower alkyl; comprising reacting a compound of formula II



(II)

wherein  $R^1$ ,  $R^4$  and  $R^5$  are as defined above, with a compound of formula III



(III)

wherein  $R^1$  and  $R^2$  are as defined above, in the presence of a base.

Fig. Nil

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 485/MUM/2002 A (22) Date of filing of Application: 31/05/2002

(54) Title of the invention: START UP DEVICE

<p>(51) International classification: F23B 37/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 261/BOM/1997</p> <p>(64) Filed on: 18/04/1997</p>	<p>(71) Name of the Applicant:</p> <p><b>THERMAX LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>D-13, MIDC INDUSTRIAL AREA, CHINCHWAD, PUNE-4110019.</b></p> <p>(72) Name of the Inventor:</p> <p><b>(1) DILIP WAMAN BAPAT</b></p>

(57) **Abstract** : There is a disclosed a start up device for use in a system for transferring and recovering heat from products of combustion (flue gases) of a fuel by the method as herein described comprising an air supply assembly such as educator, external air supply feed line, an external fuel supply source; a start up burner and a mixing chamber assembly operably connecting said start up device to a turbo charger/turbo compressor and said heat recovery system.

**Figure : NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 486/MUM/2002 A (22) Date of filing of Application: 31/05/2002

(54) Title of the invention: BURNER ASSEMBLY

<p>(51) International classification:</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2): NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: 261/BOM/1997</p> <p>(64) Filed on: 18/04/1997</p>	<p>(71) Name of the Applicant:</p> <p><b>THERMAX LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>D-13, MIDC INDUSTRIAL AREA, CHINCHWAD, PUNE-411 019, MAHARASHTRA, INDIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(2) DILIP WAMAN BAPAT</b></p>
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(57) Abstract : There is a disclosed a burner assembly for use in a system for transferring and recovering heat from products of combustion (flue gases) of a fuel by the method as herein described comprising a pilot burner, an ignition source such as an ignition transformer, a turbo compressed air inlet duct, a primary housing accommodating a burner rod and nozzle assembly and a secondary housing having upstream, secondary air mixing assembly and an air diffuser assembly.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: 487/MUM/2002 A (22) Date of filing of Application: 31/05/2002

(54) Title of the invention: AN IMPROVED METHOD OF DETECTION OF TARGET NUCLEIC ACID SEQUENCE BY NUCLEIC ACID AMPLIFICATION.

<p>(51) International classification: C12 Q 1/68</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SECRETARY, DEPT. OF ATOMIC ENERGY.</p> <p>Address of the Applicant:</p> <p>GOVT. OF INDIA, ANUSHKTI BHAVAN, CHATRAPATHI SHIVAJI MAHARAJ MARG, MUMBAI - 400 001, MAHARASHTRA, INDIA.</p> <p>(72) Name of the Inventor:</p> <p>(1) AMIRU ISLAM</p> <p>(2) PAPIA HAZRA</p>
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**Abstract :** Disclosure of a method for the detection and quantitation of polynucleotide sequences in a sample of biological or non-biological material through target polynucleotide sequence amplification by polymerase chain reaction using chemically labeled oligonucleotide amplification primers and formation of an entity between the amplified polynucleotide sequence and chemically labeled polynucleotide having a sequence complementary to the target polynucleotide sequence for determining the identity and /or presence and / or quantitation of the target polynucleotide sequences. The chemical label covalently attached to the oligonucleotide amplification primer and polynucleotide or oligonucleotide comprise molecular energy transfer labels (donor and acceptor). It is again a very sensitive, rapid and reliable method with better sensitivity, specificity and reliability for the detection of polynucleotide sequence. It also greatly reduces the possibility of amplification product carry-over contamination and adaptable for many formats of nucleic acids amplifications and real time measurements.

**Figure :** NIL

**Publication After 18 months**

*The following patent applications have been published under section 11A of the Patents (Amendment) Act, 2002.*

**Application No. 510/DEL/2002 A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Sewage Pipe Connector For Intercepting Bad Smell.****(51)International classification:F 16 L 43/00****(30)Priority Data:****(31)Document No. :2001-76676;2001-24590****(32)Date :05/Dec/2001;07/May/2001****(33)Country :KOREA;KOREA****(71)Name of the Applicant.:**

AHN, BYUNG MOO

**Address of the Applicant.:**60 YUPNAE-RI, YOOLJIN-EUP, YOOLJIN-GUN,  
KYUNGSANGBUK-DO  
REPUBLIC OF KOREA**(72)Name of the Inventor.:**

AHN, BYUNG MOO

**Abstract :**

*The present invention relates a pipe connector used for connecting sewage discharging pipes. The pipe connector capable of intercepting a bad smell according to the present invention includes an inlet pipe portion engaged to an upper reach pipe for forming an inlet water flow path which receives a sewage from an upper reach pipe an outlet pipe portion engaged to a lower reach pipe for forming a discharging water flow path which discharges a sewage flown in from the inlet water flow path, a trap portion which forms a connection water flow path including a trap section which forms a water flow path loser than the lowest portion of neighboring water flow paths in which the entire portions of the horizontal cross section of the water flow path contacts in the upper and lower reaches between the inlet pipe portion and outlet pipe portion and guides the sewage from the inlet water flow path to the discharging water flow path, and a dividing pipe portion which forms a dividing path which is upwardly extended from the trap section of the trap portion and divides the water flow path in the trap section in the upward direction.*

Application No. 511/DEL/2002 A

(22) Date of filing of Application : 01/May/2002

(54) Title of the invention : Gel Composition.

(51) International classification: C 08 L 1/00  
 (30) Priority Data:  
 (31) Document No. : 09/853,552  
 (32) Date : 11/May/2001  
 (33) Country : UNITED STATES OF AMERICA

(71) Name of the Applicant.:  
 PENRECO  
 Address of the Applicant.:  
 SUITE 400, 700 LOUISIANA STREET, HOUSTON, TEXAS  
 77002  
 UNITED STATES OF AMERICA

(72) Name of the Inventor.:  
 BUTUC STELUTA GINA

**Abstract :**

Two-phase gel compositions are provided. The two-phase gel compositions are obtained by mixing a gelled ester composition comprising a mixture of an ester compound and a polymer compound selected from the group consisting of triblock copolymers, star polymers, radial polymers, multi-block copolymers, and a combination thereof and a hydrophobic, non polar solvent. The gelled ester has a viscosity  $\eta_1$  and the solvent has a viscosity  $\eta_2$ . The two-phase gel composition is substantially free of phosphate compounds and has a viscosity  $\eta$  which is greater than or equal to  $\eta_1$  and which is greater than or equal to  $\eta_2$ . The two-phase gel compositions may be used to suspend various solids, liquids and/or gases.

Application No. 512/DEL/2002 A

(22) Date of filing of Application : 01/May/2002

(54) Title of the invention : Elisa Kit For Diagnosis Of Clonorchiasis, Paragonimiasis, Cysticercosis And Sparganosis.

(51) International classification: A 61 K 49/00; G 01 N 33/53  
 (30) Priority Data:  
 (31) Document No. : 2001-23645  
 (32) Date : 02/May/2001  
 (33) Country : KOREA

(71) Name of the Applicant.:  
 SHIN POONG PHARMACEUTICAL CO., LTD.  
 Address of the Applicant.:  
 434-4, MOKNAE-DONG, ANSAN-SHI, KYUNGGI-DO 425-  
 100  
 KOREA

(72) Name of the Inventor.:  
 CHO, SEUNG-YULL  
 CHAI, JONG-YIL  
 HAN SHIN  
 HONG, SUNG-TAE  
 CHO, II-HWAN

**Abstract :**

Disclosed is an ELISA kit for a simultaneous diagnosis of infections with *Clonorchis sinensis*, *Paragonimus westermani*, *Cysticercus cellulosae* and *sparganum*. The kit enables the simple, rapid and precise diagnosis of infections with the major tissue-dwelling helminthic parasites at one time by a standardized method.

**Application No. 513/DEL/2002 A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :System And Methods For Creating Financial Advice Applications.****(51)International classification:**G 06 F 17/60**(30)Priority Data:****(31)Document No. :**60/165,693**(32)Date :**16/Nov/1999**(33)Country :**United States of America**(71)Name of the Applicant.:**AMERICAN EXPRESS TRAVEL RELATED SERVICES  
COMPANY, INC.**Address of the Applicant.:**AMERICAN EXPRESS TOWER, WORLD FINANCIAL  
CENTRE, NEW YORK CITY, NY 10285-4900  
United States of America**(72)Name of the Inventor.:**PATNHODE, ROBERTAL L.  
GEPPERT, JAMES, RICHARD  
HOYT, DAVID**Abstract :**

A player moves point value in virtual world into an IC card and a service center updates the point value stored in the IC card based on a result of an event which the player performed in real world. As a result, information concerning the play of the player in the virtual world is updated based on the player's acts in the real world and a part of the virtual world is created based on the acts, which allows seamlessly connecting between the virtual world and the real world.

**Application No. 514/DEL/2002 A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Electrolyzed Water Of Anode Side And Process For Production Thereof.****(51)International classification:**C 02F 1/461**(71)Name of the Applicant.:**

MIKUNI CORPORATION

**Address of the Applicant.:**13-11, SOTOKANDA 6-CHOME, CHIYODA-KU, TOKYO  
101-0021  
JAPAN**(72)Name of the Inventor.:**

KOKICHI HONAKA

**Abstract :**

According to the present invention, there is disclosed: an electrolyzed water of anode side containing less than 0.1 mM of a water-soluble inorganic salt, 1 to 50 mM of ascorbic acid and 85 to 50 mV of redox potential, 8 to 15 mg/l of dissolved oxygen, 3.70 to 2.80 of pH and having a dismutation activity for superoxide radicals; and a process for producing an above electrolyzed water of anode side having a dismutation activity for superoxide radicals, which comprises electrolyzing an aqueous electrolytic solution containing less than 0.1 mM of a water-soluble inorganic salt and 1 to 50 mM of ascorbic acid and then taking out the electrolyzed water of anode side generated.

**Application No. 515/DEL/2002 A****(22) Date of filing of Application : 02/May/2002****(54) Title of the invention : Making Water & Air Tight Shuttering For Construction Of Slabs.****(51) International classification:** E 04 H 3/00**(71) Name of the Applicant.:**

PANDEY RADHE SHYAM

**Address of the Applicant.:**

B-1/3, SECTOR-B, SITAPUR ROAD YOJNA, ALIGANJ

LUCKNOW - 226024, Uttar Pradesh

INDIA

**(72) Name of the Inventor.:**

PANDEY RADHE SHYAM

**Abstract :**

In conventional method of house/building construction for slab's construction the gaps occurring at joints between shuttering plates/planks are filled up with pieces of gunny bags, which are dislocated to some extent in casting operation resulting in leakage of cement slurry which is not desirable. It will make the slab weak. Also gunny bag pieces are not Air and Water Tight resulting in drying of the slab portion above gaps in the shuttering which is also not desirable. To overcome the above problem, provision of self adhesive tape over joints between shuttering plates/planks is suggested. The tape will not be dislocated and at the same time its provision will results in Water Tight and Airtight Shuttering.

**Application No. 516/DEL/2002 A****(22) Date of filing of Application : 02/May/2002****(54) Title of the invention : Method Of Preparing Garlic Ointment And Garlic Ointment Composition For Topical Use In Skin Infection.****(51) International classification:** A 61 K 35/78**(30) Priority Data:****(31) Document No. :** PCT/IN01/00098**(32) Date :** 04/May/2001**(33) Country :** INDIA**(71) Name of the Applicant.:**

MOREPEN LABORATORIES LTD.

**Address of the Applicant.:**

416-418, ANTRIKSH BHAWAN, 4TH FLOOR, 22, K.G.

MARG

NEW DELHI - 110001, Delhi

INDIA

**(72) Name of the Inventor.:**

SANJAY SURI

J. SINGH

ASHOK KUMAR BATHAM

ULHAS DHUPPAD

**Abstract :**

A method of preparing ointment for topical use comprising the steps of :- (i) dispersing the freeze dried garlic powder in the light liquid paraffin in the ratio 1:5 to 7:10 (w/w%), stirring the mixture with a mechanical stirrer to obtain a homogenous mixture. (ii) mixing microcrystalline wax in white soft paraffin in the ratio of 2:70 to 10:90 (w/w%), heating the mixture in hot water bath at temperature of 60° to 65° C and stirring the mixture continuously to obtain a homogenous mixture (iii) cooling the mixture prepared in the step (ii) to about 40° C and adding to it the mixture obtained at step (i), stirring the mixtures to obtain a homogenous mixture maintaining the temperature at 40-45° C. (iv) cooling the mixture to about 30° C and adding desired quantity of perfume, stirring the mixture to obtain the final product.



**Application No. 517/DEL/2002 A****(22) Date of filing of Application : 02/May/2002****(54) Title of the invention : Method Of Preparing Antibacterial Gel And Co-Trimoxazole Gel.****(51) International classification:** A61K 31/18, A61K 31/505**(30) Priority Data:****(31) Document No. :** PCT/IN01/00099**(32) Date :** 04/May/2001**(33) Country :** INDIA**(71) Name of the Applicant.:**

MOREPEN LABORATORIES LD.

**Address of the Applicant.:**416-418 ANTRIKSH BHAWAN, 4TH FLOOR, 22 K.G.  
MARG  
NEW DELHI - 110001, Delhi  
INDIA**(72) Name of the Inventor.:**SANJAY SURI  
J. SINGH  
ULHAS DHUPPAD  
PRAVIN R. KULKARNI  
ASHOK KUMAR BATHAM**Abstract :**

A method of preparing Antibacterial gel comprising the steps of :- (i) dissolving antibacterial agent trimethoprim and sulfamethoxazole in polyethylene glycol-400 with the help of mechanical stirrer, to obtain a homogenous solution; (ii) dissolving carboxyvinyl polymer in the solution obtained in step (i) and stirring continuously with a mechanical stirrer to get homogenous solution of viscosity; (iii) adding mixture of basic substance and purified water in the solution obtained in step (ii) and continuously stirring in a closed container to get a gel; (iv) adding an aqueous antioxidizing agent to the gel obtained in step (iii) by continuously stirring.

**Application No. 518/DEL/2002 A****(22) Date of filing of Application : 02/May/2002****(54) Title of the invention : Method Of Preparing Garlic Ointment And Garlic Ointment Composition For Topical Use In Skin Infections.****(51) International classification:** A 61 K 35/78**(30) Priority Data:****(31) Document No. :** PCT/IN01/00098**(32) Date :** 04/May/2001**(33) Country :** INDIA**(71) Name of the Applicant.:**

MOREPEN LABORATORIES LTD.

**Address of the Applicant.:**416-418, ANTRIKSH BHAWAN, 4TH FLOOR, 22, K.G.  
MARG  
NEW DELHI - 110001, Delhi  
INDIA**(72) Name of the Inventor.:**SANJAY SURI  
J. SINGH  
ULHAS DHUPPAD  
ASHOK KUMAR BATHAM**Abstract :**

1. A ointment composition for topical use comprising Freeze dried garlic powder 1.50 % w/w White soft paraffin 83.40 % w/w Crocristalline wax 5.00% w/w Light liquid paraffin 10.00% w/w Perfume 0.10%w/w.

**Application No. 519/DEL/2002 A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Method Of Preparing Antibacterial Gel And Co-Trimoxazole Gel.****(51)International classification:**A 61 K 31/00**(30)Priority Data:****(31)Document No. :**PCT/IN01/00099**(32)Date :**04/May/2001**(33)Country :**INDIA**(71)Name of the Applicant.:**

MOREPEN LABORATORIES LTD.

**Address of the Applicant.:**416-418, ANTRIKSH BHAWAN, 4TH FLOOR, 22, K.G.  
MARG  
NEW DELHI - 110001, Delhi  
INDIA**(72)Name of the Inventor.:**

SANJAY SURI

J. SINGH

ULHAS DHUPPAD

PRAVIN R. KULKARNI

ASHOK KUMAR BATHAM

**Abstract :**

An antibacterial gel composition comprising cotrimoxazole comprising trimethoprim and multimetoxazol in the ratio 1:5 and sodium metabisulphite 0.05 to 0.5 % by w/w.

**Application No. 520/DEL/2002 A****(22)Date of filing of Application :03/May/2002****(54)Title of the invention :Two Motor Arrangement For A Door Operator.****(51)International classification:**E 05 C 7/906**(30)Priority Data:****(31)Document No. :**60/288,778;0;0**(32)Date :**05/May/2001; ;**(33)Country :**UNITED STATES OF AMERICA;NO  
COUNTRY;NO COUNTRY**(71)Name of the Applicant.:**WESTINGHOUSE AIR BRAKE TECHNOLOGIES  
CORPORATION.**Address of the Applicant.:**1001 AIR BRAKE AVENUE, WILMERDING,  
PENNSYLVANIA 15148  
UNITED STATES OF AMERICA**(72)Name of the Inventor.:**

ANDRE STOJC

**Abstract :**

A TANDEM OF INDEPENDENT POWERED DOOR OPERATORS FOR PASSENGER TRANSIT VEHICLES HAVING A CENTRAL LOCK MECHANISM AND ENABLING EACH OF THE DOORS TO BE MOVED WITH A FORCE OF LESS THAN 80N. SUCH DOOR OPERATORS CAN BE USED ON VEHICLES WHERE THE CROSS-SECTIONAL AREA WITHIN WHICH TO ACCOMMODATE A DOOR OPERATOR IS LIMITED.

**Application No. 521/DEL/2002 A****(22) Date of filing of Application :03/May/2002****(54) Title of the invention :Central Lock Mechanism.**

**(51) International classification:** E 05 B 65/10; E 05 B 65/20; E 05 B 65/36; E 05 B 65/08; E 05 F 15/14; E 05 F 15/18; E 05 F 17/100; E 05 F 7/00; F 16 P 5/00

**(30) Priority Data:**

**(31) Document No. :**60/288,838

**(32) Date :**04/May/2001

**(33) Country :**UNITED STATES OF AMERICA

**(71) Name of the Applicant.:**

WESTINGHOUSE AIR BRAKE TECHNOLOGIES CORPORATION

**Address of the Applicant.:**

1001 AIR BRAKE AVENUE, WILMERDING,  
PENNSYLVANIA 15148  
UNITED STATES OF AMERICA

**(72) Name of the Inventor.:**

ANDRE STOJC  
PHILIP J. CALAMATAS

**Abstract :**

A lock mechanism enabling locking of a bi-parting set of right hand and left hand door panels respectively suspended from a right hand and left hand door operators, to be driven by the door operators for covering and uncovering an aperture disposed within a passenger transit vehicle. Such lock mechanism disposed intermediate the door operators. The lock mechanism is capable of operating in a pushback and non pushback arrangement providing a fully-locked state, for each of the two bi-parting doors of a passenger transit vehicle. The integrated design allows the central lock mechanism to be installed and/or maintained over a doorway with only minimal adjustments needed to assure that the door lock assemblies operate in unison. As compared to separate door lock assemblies for each door panel as is typical of prior art designs, the central lock mechanism enables the door panels to be closed and locked more reliably and with better sealing against weather and noise.

**Application No. 522/DEL/2002 A****(22) Date of filing of Application :03/May/2002****(54) Title of the invention :Electronic Control Fuel Injection Device.**

**(51) International classification:** F 02 M 51/00

**(71) Name of the Applicant.:**

MIKUNI CORPORATION

**Address of the Applicant.:**

13-11, SOTOKANDA, 6-CHOME, CHIYODA-KU, TOKYO  
101-0021  
JAPAN

**(72) Name of the Inventor.:**

HASHIMOTO SHOGO

**Abstract :**

It is an object of the present invention to provide an electronically controlled fuel injection device suitable for use in engines mounted on two-wheeled vehicles or the like. The device of the present invention comprises a plunger 21 which is driven by electromagnetic force so that this plunger performs pressure-feeding and suction-drawing of fuel, cylinder bodies 22 through 24 that accommodate the plunger 21 and demarcate a pressure-feeding chamber C, a fuel supply passage 29a, a first valve body 30 which allows the influx of fuel into the pressure-feeding chamber, a return passage 28a, a circulation passage 32a which has a circulation opening 24c in the side surface of the cylinder body 24 in order to circulate fuel inside the pressure-feeding chamber C into the return passage 28a, a second valve body 31 which is disposed in the vicinity of the circulation opening 24c, and an injection nozzle 50. The plunger 21 opens the circulation opening 24c in the initial region of the pressure-feeding stroke, and closes the circulation opening 24c in the later region of the pressure-feeding stroke. As a result, vapor is removed and the stable injection of fuel can be accomplished merely by the reciprocating motion of the plunger 21.

**Application No. 523/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :A Fuel Injection Pump.****(51)International classification:F 02 M 59/06****(71)Name of the Applicant.:**

STANADYNE AUTOMOTIVE CORP.

**Address of the Applicant.:**92 DEERFIELD ROAD, WINDSOR, CONNECTICUT 06095  
UNITED STATES OF AMERICA**(62)Divisional to Application No 756/DEL/1994  
filed on 15/Jun/1994****(72)Name of the Inventor.:**

KENNETH HARRY KLOPPER

**Abstract :**

A rotary distributor fuel injection pump with a drive shaft coupled to a pump rotor by a radially offset and axially extending drive pin with a cylindrical head received within a radial slot in the rotor; a coaxial throughbore in the rotor providing a valve bore; a valve member in the valve bore axially shiftable to an open position by a compression spring; an electromagnet with an armature plate fixed to one end of the valve member and a stator operable, when energized, to axially shift the valve member to its closed position; a stop plate on the outer end of the rotor having an outer end face engageable by the armature plate, the end face having a plurality of lands and grooves to hydraulically dampen the axial movement of the valve member to its open position when the stator is deenergized; the armature plate having a hub received within an opening in the stop plate to couple the armature plate and valve member to the rotor; an annular thrust washer and needle bearing between the rotor and a distributor head; the distributor head having a rotor support sleeve with an inner annular cantilever section thermally coupled to the rotor; the rotor having distributor and balancing bores, each with an inlet port equidistant between the radial axes of adjacent pumping plunger bores.

**Application No. 524/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Electric Door Operator.****(51)International classification:E 05 F15/12****(30)Priority Data:****(31)Document No. :60/289,219****(32)Date :07/May/2001****(33)Country :UNITED STATES OF AMERICA****(71)Name of the Applicant.:**WESTINGHOUSE AIR BRAKE TECHNOLOGIES  
CORPORATION**Address of the Applicant.:**1001 AIR BRAKE AVENUE, WILMERDING,  
PENNSYLVANIA 15148  
UNITED STATES OF AMERICA**(72)Name of the Inventor.:**

STEFAN PAGOWSKI

**Abstract :**

An electric door operator is provided for controlling the opening and closing of a door pivotally mounted to a door frame of a multi-passenger mass transit vehicle. The electric door operator comprises a pinion and an energy source for rotating or driving this pinion in opposite directions through opening and closing cycles of the door. A gear sector is also provided which is mounted for rotation in an opposite direction from the pinion. The gear sector is engageable with the pinion and capable of being driven by the pinion such that it rotates in one of an opening and closing direction upon rotation of the pinion. A shaft member having a first and second end is provided. The first end of the shaft member is secured to the gear sector and the second end of the shaft member is engageable with one of a base plate and a wall portion of the vehicle. A push bar is suspended from the gear sector for one of opening and closing the door upon rotation of the gear sector in one of the opening and closing directions.

**Application No. 525/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Low Energy And Heat Transfer Crust Breakikng System.****(51)International classification:**F 15 B 21/14; F 15 B 20/00;  
C 25 C 3/14**(30)Priority Data:****(31)Document No. :**09/849,949**(32)Date :**04/May/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

ROSS OPERATING VALVE COMPANY

**Address of the Applicant.:**

1250 KIRTS BOULEVARD, TROY, MICHIGAN 48084

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

THEODOR H. HORSTMANN

JOSEPH E. FOSTER, JR.

NEIL E. RUSSELL

**Abstract :**

A pneumatic control system is provided for selectively controlling movement of a pneumatically-operated device between first and second working positions. The pneumatically-operated device includes a working portion and a pneumatic-control portion. The pneumatic-control portion is in fluid communication with a pressurized fluid source and includes a series of valves for selectively manipulating the working portion between the first and second working positions. The pneumatic-control portion further includes a sensing system for holding the working portion in a static mode by selectively applying system pressure to the working portion. In this manner, a more energy efficient system is provided by eliminating the need for continuous application of full line pressure.

**Application No. 526/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Latch Door.****(51)International classification:**E 05 B 65/20**(30)Priority Data:****(31)Document No. :**60/289,464**(32)Date :**08/May/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**WESTINGHOUSE AIR BRAKE TECHNOLOGIES  
CORPORATION**Address of the Applicant.:**

1001 AIR BRAKE AVENUE, WILMERDING,

PENNSYLVANIA 15148

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

STEFAN PAGOWSKI

APOLIONARION BALOT

**Abstract :**

A latch door operator is provided for use with an electrical door operator for improving the sealing capabilities of a plug door commonly used in multi-passenger mass transit vehicles. The essential components of the latch door operator comprise a striker member suspended within the door frame which cooperates with a catcher member which is pivotally mounted to the door. The striker member is capable of moving in one of a first and second direction upon the application of a force thereto. An actuating device is provided for applying one of an actuating and retracting force to the striker member. The striker member also includes a nose portion located at a first end thereof. The catcher member, which is mounted to the door, has a first end portion which is capable of cooperating with the nose portion of the striker member upon the application of an actuating force to the striker member. This actuating force causes the striker member to move in a first direction to compress the sealing member associated with the door to one of a wall portion or door frame of the transport vehicle and to latch the door in a closed position.

Application No. 527/DEL/2002 A

(22)Date of filing of Application :06/May/2002

(54)Title of the invention :Emergency Release Mechanism For Electrical Bus Door.

(51)International classification:E 05B 65/10

(30)Priority Data:

(31)Document No. :60/289,319

(32)Date :07/May/2001

(33)Country :UNITED STATES OF AMERICA

(71)Name of the Applicant.:

WESTINGHOUSE AIR BRAKE TECHNOLOGIES  
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Address of the Applicant.:

1001 AIR BRAKE AVENUE, WILMERDING,  
PENNSYLVANIA 15148  
UNITED STATES OF AMERICA

(72)Name of the Inventor.:

STEFAN PAGOWSKI  
EARL RINKER

Abstract :

An emergency release mechanism for use with a door operator of a multi-passenger mass transit vehicle for manually opening a door of this mass transit vehicle is provided. The emergency release mechanism comprises a toggle mechanism having a first and second fixed pivot and a movable pivot positioned between this first and second fixed pivot. The first fixed pivot is secured to a wall portion of the vehicle. A target member, capable of moving in a vertical direction, is provided. A clamping lever is provided which has a first end and a second end. The first end of the clamping lever is pivotally attached to the second fixed pivot of the toggle mechanism and the second end of the clamping lever is capable of engaging the target member. A means is provided for mounting the clamping lever such that the clamping lever is capable of pivoting in a first and second direction to one of an engaging and disengaging position with respect to the target member. An actuating means is connected to the movable pivot of the toggle mechanism for pivoting the clamping lever in one of an engaging position and disengaging position with the target member for moving the target member in a vertical direction for achieving an emergency release of the door of the mass transit vehicle.

Application No. 528/DEL/2002 A

(22)Date of filing of Application :06/May/2002

(54)Title of the invention :Electrical Plug Bus Door Operator.

(51)International classification:E 06 B 11/00

(30)Priority Data:

(31)Document No. :60/289,218

(32)Date :07/May/2001

(33)Country :UNITED STATES OF AMERICA

(71)Name of the Applicant.:

WESTINGHOUSE AIR BRAKE TECHNOLOGIES  
CORPORATION

Address of the Applicant.:

1001 AIR BRAKE AVENUE, WILMERDING,  
PENNSYLVANIA 15148  
UNITED STATES OF AMERICA

(72)Name of the Inventor.:

STEFAN PAGOWSKI

Abstract :

An electric door operator for controlling the opening and closing of a door pivotally mounted to a door frame of a multi-passenger mass transit vehicle is provided. The electric door operator comprises a gear sector having an aperture extending through a center portion thereof. The gear sector is mounted for rotation in opposite directions through opening and closing cycles of the door. A first supporting ring having an aperture extending through a center portion thereof is positioned adjacent to the gear sector such that the aperture of the first supporting ring is in alignment with the aperture of the gear sector to form an actuating assembly. A shaft member extends through the apertures of the gear sector and the first supporting ring. A push bar is suspended from the first supporting ring and is pivotally secured to a door lever. A driving means is provided for driving the actuating assembly such that the actuating assembly rotates about the shaft member and applies a force to the push bar for one of opening and closing the door. The operator is also designed such that it is capable of sequentially releasing a latching mechanism and then opens the door through the use of a single gear motor.

**Application No. 529/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Double Valve With Anti-Tiedown Capacity.****(51)International classification:**F 15 B 20/00; F 16 P3/22**(30)Priority Data:****(31)Document No. :**09/849,447**(32)Date :**04/May/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

ROSS OPERATING VALVE COMPANY

**Address of the Applicant.:**

1250 KIRTS BOULEVARD, TROY, MICHIGAN 48084

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

C. BRIAN WOLFE

JOSE CARLOS BENTO

NEIL E. RUSSELL

**Abstract :**

A control valve system having a housing defining an inlet, an outlet and an exhaust, A first passage extends between the inlet and the outlet and a second passage extends between the outlet and the exhaust. A first plurality of valves are disposed within the first passage, wherein such of the first plurality of valves are movable between a deactuated position where the first passage is closed, an actuated position where the first passage is open, and an intermediate position where the first passage is partially open, A second plurality of valves are disposed within the second passage, wherein each of the second plurality of valves are movable between a deactuated position where the second passage is open, an actuated position where the second passage is closed, and an intermediate position where the second passage is partially open, A plurality of reset members are selectively engageable with the first plurality of valves. The plurality of reset members are operable to move the first plurality of valves to the deactuated position when a pressure is applied to the plurality of reset members. The plurality of reset members each have an anti-tiedown stem extending therefrom to prevent operation of the control valve system if any of the plurality of reset members is tied down.

**Application No. 530/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :An Osmotic Device With A Unitary Core Containing A Gelling Agent.****(51)International classification:A 61 K 9/00****(71)Name of the Applicant.:**

RANBAXY LABORATORIES LTD.,

**Address of the Applicant.:**

19, NEHRU PLACE

NEW DELHI - 110 019, Delhi

INDIA

**(72)Name of the Inventor.:**

N. BADRI VISWANATHAN

R. SANKAR

RAJEEV S. RAGHUVANSHI

ASHOK RAMPAL

**Abstract :**

A process for the preparation of monocompartment osmotic controlled drug delivery system is disclosed. The delivery system comprises a core comprising a poorly soluble drug and at least one alginic acid derivative; a semipermeable membrane enclosing the core; and at least one passageway through the semipermeable membrane.

**Application No. 533/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :A Process For Substrate Preparation For The Use In Refrigeration Appliance.****(51)International classification:C 09 D 5/00****(71)Name of the Applicant.:**

WHIRPOOL OF INDIA LIMITED

**Address of the Applicant.:**

7TH FLOOR, ATMA RAM HOUSE, 1 TOLSTOY MARG

NEW DELHI - 110001, Delhi

INDIA

**(72)Name of the Inventor.:**

RITESH BHATIA

VIJAY SABHARWAL

**Abstract :**

A PROCESS FOR THE MANUFACTURE OF SUBSTRATE FOR POWDER COATING OF THE GALVANISED SHEET FOR USE IN A REFRIGERATION APPLIANCE COMPRISING A TWO STAGE PROCESS OF DEGREASING AND RINSING. THE PROCESS INVOLVES TWO PAIR OF TANKS. TANK I & TANK II CONTAINS THE SOLUTION OF IRON PHOSPHATE AND DEMINERALIZED WATER IN A PARTICULAR TEMPERATURE AND CONCENTRATION. TANK III CONTAINS RAW WATER FOR RINSING OFF THE EXTRANEIOUS IRON PHOSPHATE AND TANK IV CONTAINS DEMINERALIZED WATER TO MEET ALL THE QUALITY SPECIFICATIONS.



**Application No. 534/DEL/2002 A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Plds Providing Readback Of Configuration Data.****(51)International classification:G 01 R 31/8****(71)Name of the Applicant.:**

STMICROELECTRONICS PVT. LTD.,

**Address of the Applicant.:**PLOT NO. 2 & 3, SECTOR 16A, INSTITUTIONAL AREA  
NOIDA - 201 3001, Uttar Pradesh  
INDIA**(72)Name of the Inventor.:**AGGARWAL, DAVINDER  
GOEL ASHISH KUMAR**Abstract :**

This invention relates to a Programmable Logic Device (PLD) and Programmable Gate Array (PGA) providing readback of configuration data. It comprises an input data selector having one input connected to the output of the configuration memory, the output of the input data selector being connected to an input data register supplying data to the matrix of data latches storing the configuration data with the output from each row except the last row being selectively connected to the inputs of the next row, with the last row providing the output from the configuration memory, and a row selector that sequentially enables the interconnection of one or more rows of the matrix such that the data from the input data register is stored in the desired row. The invention also provides for a method for enabling readback of configuration data stored in a configuration memory.

**Application No. 535/DEL/2002 A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Gel Composition And A Process For The Manufacture Thereof.****(51)International classification:A 61 K 7/00; 47/00****(30)Priority Data:****(31)Document No. :09/853,552****(32)Date :11/May/2001****(33)Country :UNITED STATES OF AMERICA****(62)Divisional to Application No 511/DEL/2002  
filed on 01/May/2002****(71)Name of the Applicant.:**

PENRECO

**Address of the Applicant.:**SUITE 400, 700 LOUISIANA STREET, HOUSTON, TEXAS  
77002  
UNITED STATES OF AMERICA**(72)Name of the Inventor.:**

BUTUC, STELUTA GINA

**Abstract :**

1. A two-phase gel composition comprising: a gelled ester composition comprising a mixture of an ester compound and a polymer compound selected from the group consisting of triblock copolymers, star polymers, radial polymers, multi-block copolymers, and a combination thereof, the gelled ester composition having a viscosity h1; and a hydrophobic, non polar solvent, the solvent having a viscosity h2, wherein the two-phase gel composition is substantially free of phosphate compounds and has a viscosity h which is greater than or equal to h1 and which is greater than or equal to h2.

Application No. 536/DEL/2002 A

(22)Date of filing of Application :07/May/2002

(54)Title of the invention :A Plastic Article.

(51)International classification:C 08 G 63/02

(71)Name of the Applicant.:

THE PROCTER AND GAMBLE COMPANY

Address of the Applicant.:

ONE PROCTER AND GAMBLE PLAZA, CINCINNATI,

STATE OF OHIO

UNITED STATES OF AMERICA

(62)Divisional to Application No 108/DEL/1995.

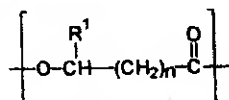
filed on 27/Jan/1995

(72)Name of the Inventor.:

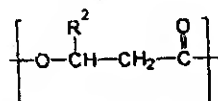
NODA, ISAO

**Abstract :**

The present invention relates to biodegradable PHA copolymers comprising at least two randomly repeating monomer units. The present invention further relates to a plastic article comprising a biodegradable copolymer, wherein the biodegradable copolymer comprises at least two randomly repeating monomer units (RRMU) wherein the first RRMU has the structure



wherein R<sup>1</sup> is H, or C<sub>1</sub> or C<sub>2</sub> alkyl, and n is 1 or 2; the second RRMU has the structure



wherein R<sup>2</sup> is a C<sub>4</sub>-C<sub>19</sub> alkyl or alkenyl; and wherein at least 50% of the RRMUs have the structure of the first RRMU. The present invention further relates to an absorbent article comprising a liquid pervious topsheet, a liquid impervious backsheet comprising a film comprising a PHA of the present invention and an absorbent core positioned between the topsheet and the backsheet.

**Application No. 537/DEL/2002 A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Sms Millionaire****(51)International classification:A 63 F 9/24****(71)Name of the Applicant.:**

GAUTAM MISRA

**Address of the Applicant.:**

B-230, PRIYADARSHANI VIHAR

DELHI - 110092, Delhi

INDIA

**(72)Name of the Inventor.:**

GAUTAM MISRA

**Abstract :**

The unique software game will operate through a mobile phone owned by a user and operate through a SMS network offered by the mobile service providers . It will allow users to login the network and start playing depending on the difficulty level they cross they continue or leave the game. They will be charged per SMS received by the service provider. A user can play as many games as possible in a day to test his general knowledge and earn rewards.

**Application No. 538/DEL/2002 A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Shift Control System For Automatic Transmission.****(51)International classification:B 60 K 31/00****(30)Priority Data:****(31)Document No. :2001-0074444****(32)Date :28/Nov/2001****(33)Country :KOREA****(71)Name of the Applicant.:**

HYUNDAI MOTOR COMPANY

**Address of the Applicant.:**

231, YANGJAE-DONG, SEOCHO-KU, SEOUL

KOREA

**(72)Name of the Inventor.:**

KIM JOUNG -CHUL

**Abstract :**

A shift control system is provided that comprises a vehicle speed sensor for detecting a vehicle speed and outputting a corresponding signal; a throttle position sensor for detecting an opening angle of a throttle valve and outputting a corresponding signal; and a transmission control unit for determining a target speed on the basis of signals input from the vehicle speed sensor and the throttle position sensor, and generating a corresponding shift signal, wherein the transmission control unit generates instructions for generating a first shift signal for shifting to a target shift speed on the basis of signals of the vehicle speed sensor and the throttle position sensor; instructions for detecting a shift signal generated within a predetermined period from the generation of the first shift signal, and determining if a number of shift signals generated is greater than or equal to a predetermined number; instructions for withholding synchronization according to the current shift signal, and determining if synchronization according to a previous shift signal has been terminated, if it is determined that the number of shift signals generated is greater than or equal to the predetermined number; and instructions for performing synchronization according to the current shift signal after the synchronization according to the previous shift signal has been terminated.

**Application No. 539/DEL/2002 A****(22)Date of filing of Application :08/May/2002****(54)Title of the invention :A Process And The Appatatus For The Preparation Of Powder Coated Panel For Home Appliances.****(51)International classification:**B 05 B 15/12; B 05 D 7/14; C 25 D 7/00**(71)Name of the Applicant.:**

WHIRLPOOL OF INDIA, LIMITED

**Address of the Applicant.:**7TH FLOOR, ATMA RAM HOUSE, 1, TOLSTOY MARG  
NEW DELHI - 110 001, Delhi  
INDIA**(72)Name of the Inventor.:**

RITESH BHATIA

VIJAY SABHARWAL

**Abstract :**

The present invention relates to a process and appartus for the preparation of the powder coated panel for home appliances especially for the refrigerators wherein the coating of the refrigerator panel and door are of incosistent dry film thickness and apparatuds thereof.

**Application No. 540/DEL/2002 A****(22)Date of filing of Application :09/May/2002****(54)Title of the invention :Development Of A Process Of Debittering Of Kinnow Juice Using An Adsorbent.****(51)International classification:A 23 L 2/02****(71)Name of the Applicant.:**

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

**Address of the Applicant.:**

KRISHI BHAVAN , DR. RAJENDRA PRASAD ROAD

NEW DELHI - 110001, Delhi

INDIA

**(72)Name of the Inventor.:**

ER. R.K.TYAGI

S.M. ILYAS

DR. SANJEEV KUMAR TYAGI

DR. ONKAR DOMAJI WANJARI

**Abstract :**

Development of bitterness during storage of kinnow juice for more than four hours is a major constraint for its commercial use and packing. So, juice of this important citrus fruit of Punjab and Rajasthan was not available in packed form in the market. Researchers have tried different techniques to control the development of bitterness. In the invention, extraction of juice with microwave oven treatment leads to stabilize the juice and sedimentation does not take place. Storage of kinnow juice in dark bottle under vacuum reduces rate of bitterness development and hence is useful in enhancing shelf life. Mixture of especially prepared rice husk white ash with bleaching earth in appropriate proportion can adsorb the flavonoid and limonoid under vacuum effectively and shelf life of the juice can be increased up to one week without using any chemical or preservative. Thus, treatment of fruit by microwave, keeping the juice in dark bottle under vacuum followed by adsorption of flavonoid and limonoid using rice husk white ash with appropriate amount of bleaching earth (2-3% of juice) can effectively control the bitterness development in kinnow juice and shelf life of the juice can be increased considerably.

**Application No. 541/DEL/2002 A****(22)Date of filing of Application :09/May/2002****(54)Title of the invention :Alternate Cheaper Bleaching Material For Edible Oil Refining.****(51)International classification:C 11 B 3/00****(71)Name of the Applicant.:**

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

**Address of the Applicant.:**

KRISHI BHAVAN , DR. RAJENDRA PRASAD ROAD

NEW DELHI - 110001, Delhi

INDIA

**(72)Name of the Inventor.:**

DR. S.K. TYAGI

ER. R. K. VISHWAKARMA

DR. O.D. WANJARI

DR. S.M. ILYAS

**Abstract :**

The traditional understanding of bleaching is, as the name implies, decolourization of the oil. This is done by mixing the heated oil under vacuum with especially prepared earth that adsorb the colour bodies and then filtering the spent earth from the oil. Activated earth is montmorillonite clay having two silica tetrahedral layers and an aluminum octahedral layer. It is a porous colloidal aluminum silicate insoluble in acids, light coloured powder, which can absorb 2 to 4 times of its weight and its oil retention is around 5%. The particle size, moisture content, bleachability, filtration rate and oil retention is the major criteria for its selection. Bleaching also reduces the level of phosphatides and oxidizing bodies. For certain oils, a small amount of water in the oil during the earth mixing stage actually improves the efficiency of the process. The bleaching process has not changed substantially over the years. Lately, more efficient or low cost local earths have become available, but bleaching is still expensive. A large quantity of alternate bleaching material prepared from rice husk ash by creating activated sites in silica present in ash, which may be used for bleaching edible oils. This material reduces the color to 7-9 units. Activated rice husk ash is cheaper material than bleaching earths and activated carbon.

**Application No. 542/DEL/2002 A****(22)Date of filing of Application :09/May/2002****(54)Title of the invention :Pre-Grinding Of Oilseeds Prior To Mechanical Expelling-A New Process Of Energy Saving.****(51)International classification:A 23 L 1/00; A 23 D****(71)Name of the Applicant.:**

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

**Address of the Applicant.:**

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NEW DELHI - 110001, Delhi

INDIA

**(72)Name of the Inventor.:**

ER. RAJESH KUMAR VISHWAKARMA

DR. ONKAR DOMAJI WANJARI

DR. SYED MOHAMED ILYAS

DR. SANJEEV KUMAR TYAGI

**Abstract :**

Oil expelling in India is usually done using mechanical expellers. In the oil expelling by mechanical expeller, generally seed is fed at 10% moisture content (wet basis) and then cake is again fed three times to get optimum oil recovery. Energy and time requirement in oil expelling through mechanical expeller are important factors that affect the cost of oil. Increase in number of passes required to get optimum oil recovery will lead to more time and energy requirement. Reducing number of passes lead to reduced energy requirement and expelling time. Grinding of the mustard seed at 10% moisture content (wet basis) to  $\leq 0.5$  mm size particles eliminates the requirement of fourth pass for oil expelling through mechanical expeller. Thus, 4% more oil can be recovered up to third pass only compare to oil expelling without grinding. Oil expelling from grounded mustard seed at 10% moisture content (wet basis) reduces the energy requirement by approximately 21% and oil expelling time by 25%.

**Application No. 543/DEL/2002 A****(22)Date of filing of Application :09/May/2002****(54)Title of the invention :Optical Recording Medium With Different Wobble Characteristics Between The User Data Area And The Lead-Out Area.****(51)International classification:G 11 B 7/20****(30)Priority Data:****(31)Document No. :2001-34377****(32)Date :18/Jun/2001****(33)Country :KOREA****(71)Name of the Applicant.:****SAMSUNG ELECTRONICS CO., LTD.****Address of the Applicant.:****416 MAETAN-DONG, PALDAL-GU, SUWON-CITY,  
KYUNGKI-DO 442-373  
KOREA****(72)Name of the Inventor.:****DU-SEOP YOON****KYUNG-GEUN LEE****BYOUNG-HO CHOI****JAE-SEONG SHIM****Abstract :**

An optical recording medium has a user data area and a lead-out area, wherein the user data area and the lead-out area each has grooves and lands formed thereon. Wobbles are formed on at least one lateral surface of grooves of the user data area and the lead-out area, and configured such that wobble characteristics are made different between the user data area and the lead-out area. Different types of wobbles are formed on the grooves of either the user data area or the lead-out area, thereby preventing an optical pickup that performs recording/reproduction from deviating from the user data area. Also, in a multi-layer optical recording medium, a whole area of a recording layer is configured to have a same condition, thereby preventing deterioration of reproduction and/or recording due to a difference in light power transmittance of another recording layer.



**Application No. 544/DEL/2002 A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Inner Insulation For Electroacoustic Capsules.****(51)International classification:**H 04 R 9/08; H04 R11/04;  
H04 R 19/04**(30)Priority Data:****(31)Document No. :**A 766/2001**(32)Date :**14/May/2001**(33)Country :**AUSTRIA**(71)Name of the Applicant.:**

AKG ACOUSTICS GMBH

**Address of the Applicant.:**LEMBOCKGASSE 21-25, A-1230, WIEN  
AUSTRIA**(72)Name of the Inventor.:**

PAVLOVIC, GINO

**Abstract :**

An electroacoustic transducer, operating electrostatically and functioning as a sound receiver, is configured to be inserted in a microphone capsule. The capsule housing has an inner side and an outer side, wherein at least the inner side of the capsule housing has a Teflon® coating. The capsule housing has an end face forming the electrode of the transducer. The capsule housing is manufactured by a cold forming method from an aluminum sheet, coated at least on one side with Teflon® comprising.

**Application No. 545/DEL/2002 A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Electrostatic Microphone.****(51)International classification:**H 04 R 19/04**(30)Priority Data:****(31)Document No. :**A 797/2001**(32)Date :**18/May/2001**(33)Country :**AUSTRIA**(71)Name of the Applicant.:**

AKG ACOUSTICS GMBH

**Address of the Applicant.:**LEMBOCKGASSE 21-25, A-1230, WIEN  
AUSTRIA**(72)Name of the Inventor.:**

PAVLOVIC, GINO

**Abstract :**

An electrostatic microphone has a capsule housing and a diaphragm, a rigid electrode, and an electrical circuit on a printed circuit board arranged in the capsule housing. The diaphragm is connected to a ring shoulder provided on the front side of the capsule housing. Preferably, the capsule housing is divided into a housing bottom and a capsule lid, and the ring shoulder is provided on the capsule lid.

**Application No. 546/DEL/2002 A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Synchronous Digital Hierarchy Pointer Processing Method And Circuit Thereof.****(51)International classification:H 04 J 3/06****(36)Priority Data:****(31)Document No. :CN01119130.9****(32)Date :15/May/2001****(33)Country :CHINA****(71)Name of the Applicant.:****HUAWEI TECHNOLOGIES CO. LTD.,****Address of the Applicant.:****HUAWEI SERVICE CENTRE BUILDING, KEFA ROAD,  
SCIENCE-BASED INDUSTRIAL PARK, NANSHAN  
DISTRICT, SHENZHEN 518057, GUANGDONG P.R. CHINA  
CHINA****(72)Name of the Inventor.:****GOU GANG****FANG WEI****Abstract :**

The invention discloses a SDH pointer processing method and circuit, which includes several pointer processing channels to process STM-64 code flow. Each channel includes one time-division switching circuit, one pointer interpreter unit and at least one FIFO retiming and pointer regeneration unit. By inputting each set of STM-4 code flow to time-division switching circuit of a channel, the STM-4 code flow is switched to four STM-1 code flow. After entering said 4 STM-1 code flow to pointer interpreter unit and extracting h1h2 pointer value, pointer interpreting state-machine is controlled with the h1h2 pointer value and the interpreted pointer value is accumulated and is inputted in time-division to FIFO unit, which processes each STM-1 code flow regeneration and new pointer regeneration. Thinking of the invention is novelty, pointer interpreter unit and FIFO unit are multiplexed, so circuit is greatly simplified, chip area is largely saved and pointer processing efficiency of STM-4 or so on code flow is raised.

**Application No. 547/DEL/2002 A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :An Improved Air Purifier For A Room.****(51)International classification:F 24 F 7/00****(71)Name of the Applicant.:**

GODAVARI ENTERPRISES LTD.,

**Address of the Applicant.:**

1st FLOOR, 3/3 DESHBANDHU GUPTA ROAD

NEW DELHI - 110 055, Delhi

INDIA

**(72)Name of the Inventor.:**

KHOSLA, KRISHAN GOPAL

**Abstract :**

This invention relates to an improved air purifier for a room comprising: a housing having an inlet for sucking air at one end and releasing the same after purification through two outlets on the other sides either at 90° or 180° to each other, and air fan or blower sucks the air from said inlet and after filtration the purified air is released through said two outlets, each said outlet is provided with a window to control the flow and direction of the purified air to cover the maximum area of the room.

**Application No. 548/DEL/2002 A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :Process For The Preparation Of 8-Methoxy Quinolonecarboxylic Acids Hydrochlorides.****(51)International classification:A 61 K 031/435; C 07 D . 047/104****(30)Priority Data:****(31)Document No. :197 51 948.2****(32)Date :24/Nov/1997****(33)Country :GERMANY****(62)Divisional to Application No 3456/DEL/1998  
filed on 18/Nov/1998****(71)Name of the Applicant.:**

BAYER AKTIENGESELLSCHAFT

**Address of the Applicant.:**

D-51368 LEVERKUSEN

GERMANY

**(72)Name of the Inventor.:**

DR. REINHOLD GEHRING

DR. KLAUS-HELMUT MOHRS

DR. WERNER HEILMANN

DR. HERBERT DIEHL

**Abstract :**

THE PROCESS INVENTION RELATES TO A NOVEL PROCESS FOR PREPARING 8-METHOXY-3-QUINOLONECARBOXYLIC ACIDS WHICH ARE ANTIBIOTICS HAVING POTENT ANTIBACTERIAL ACTION.

**Application No. 549/DEL/2002 A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :Plds Providing Improved Performance For Multiplication Functions.****(51)International classification:G 06 F 7/38****(71)Name of the Applicant.:**

STMICROELECTRONICS PVT. LTD.,

**Address of the Applicant.:**

PLOT NO. 2 &amp; 3, SECTOR 16A, INSTITUTIONAL AREA

NOIDA - 201 3001, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

PARVESH SWAMI

**Abstract :**

This invention relates to a Programmable Logic Device (PLD) that enhanced speed and flexibility for multiplication functions, incorporating a plurality of Configurable Logic Cells (CLCs) each having in addition to two general inputs received from the general routing logic of the PLD, two dedicated inputs and two dedicated outputs that are routed directly and independently of the general routing logic of the PLD.

**Application No. 550/DEL/2002 A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :A Method And Device For Testing Of Configuration Memory Cells In Programmable Logic Devices (Plds).****(51)International classification:G11 C7/00****(71)Name of the Applicant.:**

STMICROELECTRONICS PVT. LTD.

**Address of the Applicant.:**

PLOT NO. 2 &amp; 3, SECTOR 16A, INSTITUTIONAL AREA

NOIDA - 2013001, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

SHALINI PATHAK

PARVESH SWAMI

**Abstract :**

This invention relates to a Programmable Logic Device (PLD) incorporating the ability to test the configuration memory either independently or during configuration, comprising a selector for selecting a particular column or row of the configuration memory array, an input data store for storing configuration data required to be stored in the selected column or row, or test data for testing the selected column or row, an output data store for storing the output from the selected column or row, and test logic that provides control signals for verifying the correct operation of the data lines of the configuration memory array without disturbing the data stored in the memory array.

Application No. 551/DEL/2002 A

(22)Date of filing of Application :13/May/2002

(54)Title of the invention :Void

Application No. 552/DEL/2002 A

(22)Date of filing of Application :13/May/2002

(54)Title of the invention :Polyalkylcyclic Derivatives

(51)International classification:A 61 K 007/46

(30)Priority Data:

(31)Document No. :09/859,953

(32)Date :17/May/2001

(33)Country :UNITED STATES OF AMERICA

(71)Name of the Applicant.:

INTERNATIONAL FLAVORS &amp; FRAGRANCES INC.

Address of the Applicant.:

521 WEST 57TH STREET, NEW YORK, NEW YORK 10019

UNITED STATES OF AMERICA

(72)Name of the Inventor.:

ANUBHAV P.S. NARULA

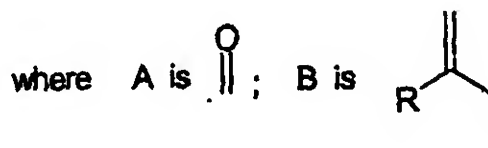
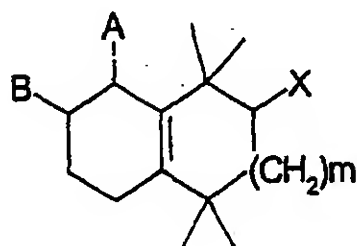
EDWARD MARK ARRUDA

CHARLES E.J. BECK

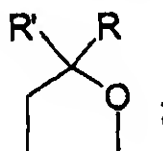
ANTHONY T. LEVORSE, JR.

**Abstract :**

The compound according to the formula set forth below



or A and B together form the ring structure



and X, R' and R are  
independently H and CH<sub>3</sub>  
and m=0 or 1.

and the use of the compound in creating fragrances, and scents in items such as perfumes, colognes and personal care products is disclosed.

Application No. 553/DEL/2002 A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Adjustable Skull Traction Tongs.

(51)International classification:A 61 B 17/56

(71)Name of the Applicant.:

DR. RAVI DEV

Address of the Applicant.:

225, RAJENDRA NAGAR, LUCKNOW

LUCKNOW - 226004, Uttar Pradesh

INDIA

(72)Name of the Inventor.:

DR. RAVI DEV

**Abstract :**

This invention titled as 'Adjustable Skull Traction Tongs' relates to a device for applying skull traction in craniovertebral junction and cervical spinal diseases. The traditional devices either need drilling of the skull or hinder lateral position of the patient. Their pin direction may cause slippage of tongs or perforation of skull. Complete device or its pins need to be changed in children. In the present invention two arms are hinged to an interconnecting bar. Distal end of each arm has two threaded bores, one acute and other subacute. Sharp pins are threaded in these bores to fix with the skull and drilling with brace is not needed. Acute bores in adults, and subacute bores in children, keep the pins directed upwards hence there is no risk of piercing the meninges. Opening between the arms is adjustable at the hinges and direction of pins is kept upwards by selecting the appropriate bores hence same device and pins can be used in all age groups. This device is comfortable to the patients as it neither hinders the lateral position nor produces heaviness on the skull.

Application No. 554/DEL/2002 A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Ventriculo-Peritoneal Shunt Introducer.

(51)International classification:A 61 B 17/00

(71)Name of the Applicant.:

DR. RAVI DEV

Address of the Applicant.:

225, RAJENDRA NAGAR, LUCKNOW

LUCKNOW - 226004, Uttar Pradesh

INDIA

(72)Name of the Inventor.:

DR. RAVI DEV

**Abstract :**

This invention titled as 'Ventriculo-peritoneal Shunt Introducer' relates to a surgical instrument for making a subcutaneous tunnel for introducing a ventriculo-peritoneal shunt. The traditional devices are inconvenient; their thickness produces a large dead space around the shunt tube. Their length is not adjustable to the height of the patient and a long introducer has to be autoclaved in cloth wrapping in a big autoclave. A long narrow pipe is difficult to clean properly and shunt tube need to be cut to pass through the pipe. In the present invention smaller rods can be interconnected to form a single introducer that can be adjusted according to the height of the patient. It makes a thin subcutaneous tunnel, produces less tissue trauma and less dead space. Shunt tube is passed in the subcutaneous tunnel with the help of a thread thus cutting of shunt tube is avoided. Separated rods of this introducer can be autoclaved in a drum in a small autoclave.

**Application No. 555/DEL/2002 A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Spinal Gauge.****(51)International classification:A 61 F 02/44****(71)Name of the Applicant.:**

DR. RAVI DEV

**Address of the Applicant.:**

225, RAJENDRA NAGAR, LUCKNOW

LUCKNOW - 226004, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

DR. RAVI DEV

**Abstract :**

This invention titled as 'Spinal Gauge' relates to a surgical instrument for measuring distance between the two vertebral bodies during anterior spinal operations. In the known art the traditional device is cumbersome, and not completely accurate due to some deflection of thin blades. In the present invention spinal gauge comprises of two long arms; one attached to a sliding scale and another attached to an outer case. The arms are broad in upper part and thin in lower part. It is convenient for use in the depth and even in the narrow confines of surgical exposure because of its long arms with narrow lower parts. Broad upper part of the arm prevents deflection and provides accuracy. A knob is attached on the scale for sliding it conveniently.

**Application No. 556/DEL/2002 A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Vertebral Depth Gauge.****(51)International classification:H 01 B 3/28****(71)Name of the Applicant.:**

DR. RAVI DEV

**Address of the Applicant.:**

225, RAJENDRA NAGAR

LUCKNOW - 226 004, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

DR. RAVI DEV

**Abstract :**

This invention titled as 'Vertebral Depth Gauge' relates to a surgical instrument for measuring anteroposterior dimension of vertebral bodies at the anterior spinal operations. In the known art the traditional device is inconvenient and not completely safe. In the present invention the depth measurement is taken by holding the vertebral body between the hook of a rod and the stopper of a sheath. A bolt with scale markings is fitted on the rod to facilitate the direct reading of measurement. A spring is provided to keep a continuous upward pull on the hook so it cannot impinge on the underlying thecal sac and cord. This depth gauge can be operated with single hand. Its stopper is also suitable for taking the measurement through a partially made vertebral hole. Thus it is a convenient, precise and safe device for depth measurement.

Application No. 557/DEL/2002 A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Dowel Bone Grafting Instrument.

(51)International classification:A 61 B 17/00

(71)Name of the Applicant.:

DR. RAVI DEV

Address of the Applicant.:

225, RAJENDRA NAGAR, LUCKNOW  
LUCKNOW - 226004, Uttar Pradesh  
INDIA

(72)Name of the Inventor.:

DR. RAVI DEV

**Abstract :**

This invention titled as 'Dowel Bone Grafting Instrument' relates to a surgical device for harvesting a dowel of bone graft from the iliac crest for anterior spinal fusion. The traditional device is cumbersome, and more invasive. In the present invention the dowel-cutter is rotated with the help of a T-shaft hence a brace is not needed. A long central pin supports the dowel that can be detached by maneuvering without any chance of fracture. Chiseling is not needed hence graft can be obtained through a small incision with lesser soft tissue dissection. A hole created through the dowel reduces chances of hematoma in the epidural space. This instrument is non-cumbersome because brace, dowel ejector attachment, and multiple central pins are not needed. External markings are provided on the dowel-cutter to estimate the length of dowel while cutting the bone. Thus it is a simple, precise and less invasive device for harvesting the dowel grafts.

Application No. 559/DEL/2002 A

(22)Date of filing of Application :15/May/2002

(54)Title of the invention :A Rotor For A Screw Rotor Machine.

(51)International classification:F 04 C 18/16

(30)Priority Data:

(31)Document No. :09/876,512

(52)Date :07/Jun/2001

(53)Country :UNITED STATES OF AMERICA

(71)Name of the Applicant.:

CARRIER CORPORATION

Address of the Applicant.:

CARRIER PARKWAY, P.O. BOX 4800, SYRACUSE, NEW  
YORK 13221  
UNITED STATES OF AMERICA

(72)Name of the Inventor.:

BUSH JAMES WILLIAM  
KUMAR KESHA BASAVAPATNA**Abstract :**

A rotor for a screw rotor machine, comprising: a shaft; and a plurality of lobes disposed on said shaft, each of said lobes extending radially outward from said shaft and having a tip surface, a rear surface and a transition section disposed between said tip surface and said rear surface, said transition section having an arcuate portion, a middle portion and a short radius portion, said arcuate portion being concave in shape so as to open away from said shaft and transition said tip surface into said middle portion.



**Application No. 560/DEL/2002 A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :Brake Pad With Improved Green Performance.****(51)International classification:F16 D 69/02****(30)Priority Data:****(31)Document No. :09/876,473****(32)Date :07/Jun/2001****(33)Country :UNITED STATES OF AMERICA****(71)Name of the Applicant:****MERITOR HEAVY VEHICLE TECHNOLOGY LLC****Address of the Applicant:****2135 WEST MAPLE, TROY, MICHIGAN 48084****UNITED STATES OF AMERICA****(72)Name of the Inventor.:****HAYS WILLIAM D. JR.****Abstract :**

A brake pad comprises a first pad layer made of a first friction material and a second pad layer made of a second friction material different from the first friction material and operatively mounted to the first pad layer. The first pad layer has a higher level of friction initially and the second pad layer has a higher level of friction after wearing and the first pad layer is less wear resistant than the second pad layer. As the first pad layer wears away, the second pad layer commences to wear or 'break-in.' Because the wearing is uneven at the interface, portions of the first pad layer continue to offer an immediate and higher level of friction as portions of the second pad layer 'break-in' gradually to offer the high level of friction. Eventually, the first pad layer wears away, leaving the second pad layer already 'broken-in' for a long-lasting life.

**Application No. 561/DEL/2002 A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :System And Method For Managing File Export Information.****(51)International classification:G 06F 7/00****(30)Priority Data:****(31)Document No. :09/886,185****(32)Date :21/Jun/2001****(33)Country :UNITED STATES OF AMERICA****(71)Name of the Applicant:****INTERNATIONAL BUSINESS MACHINE CORPORATION****Address of the Applicant:****ARMONK, NEW YORK 10504****UNITED STATES OF AMERICA****(72)Name of the Inventor.:****GRUBBS MARK****MCBREARTY GERALD F.,****ZHENG WU****Abstract :**

A system and method for including export information in the file system extended attribute data area is provided. File export information is determined by a system administrator or automated process. The determined export information is stored in an extended attribute data area corresponding with the file. When a computer system issues mount commands for the file systems to be mounted, the file system provides export information included in the extended attributes to the kernel whereupon the kernel exports the file system. Maintenance of file export information is thereby reduced. Backup, replications, and restorations of file systems is simplified by maintaining the export information along with the files being backed, replicated, or restored. For example, when the system administrator backs up a file, the export information in the extended attributes is backed-up as well. When the file system is retrieved, the export information is also retrieved within the extended attributes.

**Application No. 562/DEL/2002 A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :Code Optimization.****(51)International classification:**G 06 F 9/45**(30)Priority Data:****(31)Document No. :**NIL**(32)Date :**30/May/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

INTERNATIONAL BUSINESS MACHINE CORPORATION

**Address of the Applicant.:**

ARMONK, NEW YORK 10504 444

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

SINHA NAVIN KUMAR

**Abstract :**

A code optimizing procedure involves isolating code from a loop construct, executed a predetermined number of times, and optimising the code for execution conditions which cause the loop to be executed that number of times. This code is compared against corresponding code which has not be optimized, and it is determined whether the inclusion of this code is favourable. If the benefits of including this code are judged to be significant, the code is modified by inclusion of this optimized code, which is conditionally executed when the loop is encountered.

**Application No. 563/DEL/2002 A****(22)Date of filing of Application :16/May/2002****(54)Title of the invention :Method And A Device For Detecting Watermark In Digital Data.****(51)International classification:**G 06 K 9/00**(71)Name of the Applicant.:**

INDIAN INSTITUTE OF INFORMATION TECHNOLOGY

**Address of the Applicant.:**

INDIAN INSTITUTE OF NEHRU SCIENCE CENTER,

KAMLA NEHRU ROAD

ALLAHABAD - 211 002, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

MIRANDA TREVOR

MOHAN MANINDRA

**Abstract :**

The present invention relates to a method, computer program product and a device for detecting watermarks in digital data for the purpose of electronic copyright management system. The invention includes transforming the original as well as unwatermarked data. Thereafter, tagging the resultant components of the transformed data using a pair of rows and columns. Then, selecting significant components in the said transformed data, transforming the suspected watermarked data and tagging the components in the transformed data. Further, selecting the tagged components from the transformed suspected watermarked data corresponding to those selected as significant in the original transformed data, and comparing said two groups of selected significant components to detect the watermarks.

**Application No. 564/DEL/2002 A****(22)Date of filing of Application :20/May/2002****(54)Title of the invention :Modular Display Rack****(51)International classification:**A 47 F 005/00**(30)Priority Data:****(31)Document No. :**09/862,091**(32)Date :**21/May/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

DART INDUSTRIES INC.

**Address of the Applicant.:**14901, S. ORANGE BLOSSOM TRAIL ORLANDO,  
FLORIDA, 32837

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

LILLELUND, STIG

HEIBERG, JAKOB

BENZON, IAN TOMAS

DAENEN, ROBERT H.C.M.

**Abstract :**

A MODULAR DISPLAY RACK HAVING A MAIN PANEL FROM WHICH EXTENDS A SUPPORT SHELF FOR HOLDING THE ARTICLES TO BE DISPLAYED. A HANDLE APERTURE EXTENDS THROUGH THE MAIN PANEL. THE MAIN PANEL INCLUDES A REAR SUPPORT FOOT WITH A CONNECTOR PORTION WHICH MATES WITH A CONNECTOR SECTION ON THE TOP EDGE OF THE MAIN PANEL, AND A CONNECTOR PRONG EXTENDING FROM ITS REAR FACE AT A POSITION TO ENGAGE THE HANDLE APERTURE WHEN THE CONNECTOR PORTION MATES WITH THE CONNECTOR SECTION. THE MAIN PANEL MAY ALSO INCLUDE A MALE SNAP CONNECTOR AND A FEMALE SNAP CONNECTOR POSITIONED TO SECURE THE MODULAR CONNECTOR RACKS TOGETHER WITH REAR FACES OF THE MAIN PANELS OPPOSED. MULTIPLE MODULAR DISPLAY RACKS MAY THUS BE ASSEMBLED TOGETHER.

**Application No. 565/DEL/2002 A****(22)Date of filing of Application :20/May/2002****(54)Title of the invention :Keypad For Mobile Phone.****(51)International classification:**H 01H 13/70**(30)Priority Data:****(31)Document No. :**2001-0027898**(32)Date :**22/May/2001**(33)Country :**KOREA**(71)Name of the Applicant.:**

YOUEAL ELECTRONICS CO., LTD.

**Address of the Applicant.:**78-3, MAJANG-RI, KWANGTAN-MYEON, PAJU-CITY,  
KYUNGKI-DO  
KOREA**(72)Name of the Inventor.:**

YANG, YOON-HONG

**Abstract :**

A keypad for a mobile phone includes a circuit board having a fixed contact point; a dome switch disposed on the circuit board; a base pad member having a projection for pressing the dome switch to generate signal; an upper pad member having a key top, the upper pad member being integrally formed with the base pad member, and an EL element disposed surface-contacting between the base pad member and the upper pad member.

Application No. 566/DEL/2002 A

(22) Date of filing of Application : 20/May/2002

(54) Title of the invention : *A Process Of Obtaining Recombinant Lambdoid Bacteriophage And The Resultant Novel Phage Display System.*

(51) International classification: C 12 N 7/00

(71) Name of the Applicant.:

UNIVERSITY OF DELHI

Address of the Applicant.:

SOUTH CAMPUS, DEPARTMENT OF BIOCHEMISTRY,  
BENITO JUAREZ ROAD  
NEW DELHI - 110021, Delhi  
INDIA

(72) Name of the Inventor.:

DR. CHAUDHARY VIJAY KUMAR

GUPTA AMITA

DR. ADHYA SANKAR

DR. PASTAN IRA

**Abstract :**

We have designed a bacteriophage lambda system to display peptides angpDs fused at the C-terminus of heagpD 'D' of phage lambda which is present in 405 copies per phage particle. In this system, DNA encoding the foreign peptide/protein is cloned at 3' end of a DNA segment encoding gpD under the control of lac PO in a plasmid vector (Donor plasmid) which also carries Lox Pwt and Lox P511 recombination sequences. Cre expressing cells are transformed with this plasmid and subsequently infected with a recipient Lambda phage (IDL1) that carries a DNA segment encoding LacZa flanked by Lox Pwt and Lox P511 sites. Recombination occurs in vivo at the Lox sites and Amp<sup>r</sup> cointegrates are formed. The cointegrates produce recombinant phages that display foreign protein fused at the C-terminus of gpD. The system was optimised by cloning segments encoding different length peptides of HIV-1 p24 (amino acids 1-72, 1-153 and 1-232) and the display was characterised by ELISA and Western blot. The display obtained in lambda system was 2-3 orders of magnitude more than that obtained in M13 system for the same molecules. This novel Lambda C-terminal display system avoids cloning into Lambda DNA; achieves cloning efficiencies comparable to those obtained with any plasmid system, and eliminates the step of in vitro packaging of lambda. The system will be useful for construction of cDNA libraries and for studying interactions requiring free C-terminus of the displayed partner. The high-density of display of foreign proteins should be useful in studying low affinity protein-protein interactions more efficiently compared to M13 display system.

**Application No. 567/DEL/2002 A****(22)Date of filing of Application :20/May/2002****(54)Title of the invention :Inertia Locking System And Collapsible Seat With The Locking System.****(51)International classification:B 66 N 2/02****(71)Name of the Applicant.:**

TS TECH CO. LTD.,

**Address of the Applicant.:**7-27, SAKAE-CHO, 3-CHOME, ASAKA-SHI, SAITAMA-KEN  
JAPAN**(72)Name of the Inventor.:**

KANEKO YOSHINOBU

YOSHINO YOSHIHIKO

**Abstract :**

An inertia locking system is provided with a pedestal 301 in which a substantially U-shaped receiving port 300 receiving a locked member is open toward an obliquely upper side, a latch 302 formed in a substantially reverse-J shape in a portion from a lower base portion 302a to a curved upper portion 302b, a pivot pin 303 pivoting the latch 302 to a side portion of the pedestal 301 by the lower base portion 302a so as to direct the curved upper portion of the latch 302 toward the receiving port 300 of the pedestal 301, and a torsion coil spring 304 biasing the latch 302 to a lock position or an unlock position. In the structure of supporting the latch 302 so as to bias in a moving port direction at the back of the receiving port 300 of the pedestal 301 by the torsion coil spring 304, there is provided the latch 302 having a jaw portion 302c with which a locked member 1a inserted to the receiving port 300 of the pedestal 301 is brought into contact so as to kick, and the Jaw portion which projects from the lower base portion 302a to an inner side of a bottom line of the receiving port 300, whereby the locked member 1a can be securely gripped and held by the latch 302 in accordance with a simple operation.

**Application No. 568/DEL/2002 A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : Indian Railway "S Frp Sleeper For Girder Bridges.****(51) International classification: A 47 F 10/00****(71) Name of the Applicant.:**

RESEARCH DESIGN & STANDARDS ORGISAION (RDSO)  
 RESEARCH & DEVELOPMENT ESTABLISHMENT  
 (ENGINEERS)  
 TECHNOLOGY INFORMATION, FORECASTING  
 ASSESSMENT COUNCIL (TIFAC)

**Address of the Applicant.:**

MINISTRY OF RAILWAYS, GOVT. OF P.O. MANAK NAGAR  
 LUCKNOW - 226011, Uttar Pradesh  
 INDIA

MINISTRY OF DEFENCE DIGHI  
 PUNE - 411015, Maharashtra  
 INDIA

DEPARTMENT OF SCIENCE & TECHNOLOGY BHAWAN,  
 NEW MEHRAULI ROAD  
 NEW DELHI - 110016, Delhi  
 INDIA

**(72) Name of the Inventor.:**

RESEARCH DESIGNS & STANDARDS ORGISATION  
 (RDSO)  
 RESEARCH & DEVELOPMENT ESTABLISHMENT  
 (ENGINEERS)  
 TECHNOLOGY INFORMATION, FORECASTING  
 ASSESSMENT COUNCIL (TIFAC)

**Abstract :**

*A method for the manufacture of FRP bridge sleepers which are fabricated using the Resin Transfer Moulding (RTM) techniques. The fixture plates are fabricated using Resin Transfer Moulding techniques. The mould is prepared by applying the releasing agent and drying it. The prepared mould is laid with 10 mil E-glass cloth size 545 X 245 mm, 48 layers and the mould is closed. Another mould is laid with 10 mil E-glass cloth size 395 X 245 mm, 38 layers and the mould is closed. The fabric are laid in the 0/90 orientation. Silicon gasket seals were provided for the sealing of the top and bottom moulds. All the bolts and nuts shall be properly tightened. Insert the resin with additives at one bar pneumatic pressure till continuous flow of resin comes out the delivery part. Allow the air bubbles to come out till continuous flow of resin is seen. Close the outlet part with bolt tightly. Curing is done inside the material in the following cycles: 30 to 120 degree C for 90 minutes, 120 to 150 degree C for 90 minutes, 150 degree C for 210 minutes. The mould is cooled and the demoulding is done. After releasing of FRP sleeper from the mould, the bolt holes are cut which shall be covered with FRP sleeves of 2 mm thick. These sleeves are fitted with help of resin after the bolt holes of resin after the bolt holes and milled and filled. Extended length of the sleeves is trimmed.*

**Application No. 569/DEL/2002 A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : Apparatus For Measurement Of The Flame Temperature Of Solid Propellants.****(51) International classification: G01J1/58; G01K 11/00****(71) Name of the Applicant.:**

THE ADDITIONAL DIRECTOR (IPR)

**Address of the Applicant.:**DEFENCE RESEARCH & DEVELOPMENT  
ORGANISATION, MINISTRY OF DEFENCE, GOVT OF  
INDIA, B-341, SENA BHAWAN, DHQ P.O.  
NEW DELHI - 110011  
INDIA**(72) Name of the Inventor.:**

DR. GURDIP SINGH

**Abstract :**

According to this invention, there is provided an optical technique for the measurement of flame temperature of solid propellants. The technique makes use of sodium-line reversal principle. This technique involves measuring of spectral lightness of an arbitrary source against the spectral brightness of the given flame. At the point of reversal,  $T_f = T_{sbr}$  where  $T_f$  is the true flame temperature and  $T_{sbr}$  is the brightness temperature of background. A tungsten lamp is generally used as the background source because the spectral radiation of the tungsten lamp is continuous throughout the sodium D-line region.

Application No. 570/DEL/2002 A

(22) Date of filing of Application : 21/May/2002

(54) Title of the invention : *A Process For The Preparation Of Improved Thermotolerant Flocculent Saccharomyces.*

(51) International classification: C 12 N 1/16; C 12 P 7/10

(62) Divisional to Application No. 570/DEL/1998  
filed on 27/Apr/1998

(71) Name of the Applicant.:

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Address of the Applicant.:

RAFI MARG

NEW DELHI - 110001, Delhi

INDIA

(72) Name of the Inventor.:

KALIANNAN GANESAN

VISHVA MITRA SHARMA

GANDHAM SATYANARAYANA PRASAD

INDRANI GHOSH

ROHINI CHOPRA

TAPAN CHAKRABARTI

**Abstract :**

A process for the preparation of improved thermotolerant flocculent *Saccharomyces*, which comprises a) growing a diploid homothallic strain of *Saccharomyces* having features such as osmotolerance and ethanol tolerance, in a conventional medium, mutating the homothallic gene of the said strain by known methods, sporulating the resulting diploid and separating the spores to get stable haploids, b) treating the said haploids with conventional mutagen by known methods, and subjecting them to high temperature fermentation repeatedly, to get stable thermotolerant strains retaining all other properties of the parent strain such as osmotolerance and ethanol tolerance, c) growing a haploid strain having flocculation property using conventional medium, d) mating cells obtained in step (b) and (c) by known methods, e) isolating the resultant diploid cells by known methods, and checking for ploidy, prototrophy, antibiotic resistance and flocculation, f) sporulating the hybrid cells obtained in step (e) by known methods and separating individual spores from ascus using conventional methods, g) mating haploid cells obtained in step (f) with haploid cells of opposite mating type obtained in step (b) to get diploid cells having thermotolerant and flocculent characters, h) sporulating the cells obtained in step (g) and isolating the spores by known methods, and testing the resultant haploid cells for thermotolerance, flocculation and other desirable properties, i) mating haploid cells obtained in step (h) with cells obtained in step (b), sporulating the resultant diploid and checking the resulting haploid cells for thermotolerance, flocculation and other desirable properties to get improved stable strains of thermotolerant and flocculent *Saccharomyces* useful for improved fermentation of fermentable sugars at high temperature.



**Application No. 571/DEL/2002 A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : A Process For The Preparation Of Reprocessable, Reusable And Revulcanizable Rubber Compositions From Waste/Used And Virgin Rubber Vulcanizates.****(51) International classification:** C 08 L 19/00**(71) Name of the Applicant.:**

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

**Address of the Applicant.:**

RAFI MARG

NEW DELHI - 110001, Delhi

INDIA

**(72) Name of the Inventor.:**ARYAPALLIL RAMANKUTTYMENON RAVINDRANATHA  
MENON**Abstract :**

A process for preparation of reprocessable and revulcanizable rubber compositions by physicochemical modification of used, vulcanized, waste rubber products or virgin rubber vulcanizates which comprises mixing reclaiming vulcanized rubber with low dosages of phosphorylated cashew nut shell liquid prepolymer (PCNSL) ranging from 5 to 10 phr, at a temperature ranging from 160 to 180 °C at a rotor speed ranging from 20-40 rpm to get PCNSL modified rubber, mixing the above said modified rubber with stearic acid, sulphur and mercaptobenzothiazole and curing at a temperature ranging between 140-160 °C for a period between 5-30 minutes to yield cured product.

**Application No. 572/DEL/2002 A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : A Chemical Milling Bath Composition For Chemical Machining Of Alloy Steel.****(51) International classification:** C 23 G 1/00**(71) Name of the Applicant.:**

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

**Address of the Applicant.:**

RAFI MARG

NEW DELHI - 110001

INDIA

**(72) Name of the Inventor.:**

ANNAMALAI POURASSAMY

KARAIKUDI SANKARANAYANA RAJAM

**Abstract :**

The present invention relates to the development of a chemical milling bath composition for chemical machining of alloy steel such as Cr-Mo-V steel which comprises of mixing nitric acid and sulphuric acid with control additives such as urea, sodium nitrate, cetyl trimethyl ammonium bromide and 1, 2, 3 benzotriazole, which results in a homogenous dissolution at a reasonable machining rate giving a very smooth surface finish without any pits or voids.

**Application No. 573/DEL/2002 A****(22)Date of filing of Application :21/May/2002****(54)Title of the invention .A Chemical Milling Plant.****(51)International classification:C 23 G 1/00****(71)Name of the Applicant.:**

COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

**Address of the Applicant.:**

RAFI MARG

NEW DELHI - 110 001

INDIA

**(72)Name of the Inventor.:**

KARAIKUDI SANKARANARAYANA RAJAM

ANNAMALAI POURASSAMY

KARALAMANGALA SHANKARAPPA PRASANNA KUMAR

**Abstract :**

The present invention relates to the development of a chemical milling plant and a method for the removal of material selectively from a work piece by chemical machining process.

**Application No. 574/DEL/2002 A****(22)Date of filing of Application :21/May/2002****(54)Title of the invention :System And Method For Displaying Computer System Status Information.****(51)International classification:G 08 B 3/00****(30)Priority Data:****(31)Document No. :**09/876,594**(32)Date :**07/Jun/2001**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

DELL PRODUCTS L.P.

**Address of the Applicant.:**

ONE DELL WAY, ROUND ROCK, TEXAS 78682-2244

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

DEARBORN TIMOTHY C.,

HOSS SHAWN P.,

**Abstract :**

A system and method for displaying status information from several devices in a computer system is disclosed. A primary status indicator is associated with a server or a group of servers. The primary status indicator is communicatively coupled to the server management software that is monitoring the server or server group. During the period that the server management software does not detect a failure or an imminent failure in any component of the server or server group, the primary status indicator will be illuminated to reflect a normal operating status. If the server management software detects a failure or an imminent failure in a component of the server or a server in the server group, the primary status indicator will be illuminated to reflect a failure status.

**Application No. 575/DEL/2002 A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : An Improved Process For The Preparation Of Pyrimidine Aldehyde Derivative - A Useful Intermediate For The Preparation Of Rosuvastatin.****(51) International classification: C 07 D 239/00****(71) Name of the Applicant.:**

RANABAXY LABORATORIES LIMITED

**Address of the Applicant.:**

19, NEHRU PLACE

NEW DELHI - 110019, Delhi

INDIA

**(72) Name of the Inventor.:**

SWARGAM SATHYANARAYANA

YATENDRA KUMAR

SHANTANU DE

HASHIM NIZAR POOVANATHIL NAGOOR MEERAN

MOHAMMAD RAFEEQ

**Abstract :**

1. A process for the preparation of 4-(4-fluorophenyl)-6-isopropyl-2-(N-methyl-N-methylsulphonylamino) pyrimidin-5-yl]carboxaldehyde of structural formula I as shown in Scheme III of the accompanied drawings, comprising : a. Condensing 4-fluorobenzaldehyde of structural formula VIII with methylisobutyryl acetate of structural formula XVII to give the olefin of structural formula XVIII. b. reacting the olefin with S-benzylisothiurea to give the cyclized dihydropyrimidine derivative of structural formula XIX c. aromatization of the dihydropyrimidine intermediate with γ-manganese dioxide to give the pyrimidine compound of formula XX. d. Oxidation of the pyrimidine intermediate to give the benzylsulphonyl intermediate of Formula XXI e. subjecting the benzylsulphonyl intermediate to methylation to give the N-methyl pyrimidine derivative of formula XXII f. methanesulphonylation of so obtained N-methyl pyrimidine intermediate to give the N-methyl methanesulphonamide derivative of Formula XXIII. g. reduction of N-methylmethane sulphonamide intermediate with DIBAL to give the alcoholic compound of Formula XVI h. oxidation of the so obtained alcoholic compound to give the pyrimidine aldehyde of Formula I.

(22)Date of filing of Application :22/May/2002

Application No. 576/DEL/2002 A

(54)Title of the invention :Method And Apparatus For Recoding And Reproducing Video Data, Information Storage Medium In Which Video Data Is Recorded By The Same.

(51)International classification:H 04 N9/804

(30)Priority Data:

(31)Document No. :2001-63377;2001-60257;2001-47142

(32)Date :15/Oct/2001;27/Sep/2001;04/Aug/2001

(33)Country :KOREA;KOREA;KOREA

(71)Name of the Applicant.:

SAMSUNG ELECTRONICS CO., LTD.

Address of the Applicant.:

416 MAETAN-DONG, PALDAL-GU, SUWON-CITY,  
KYUNGKI-DO  
KOREA

(72)Name of the Inventor.:

HYUN-KWON CHUNG  
BONG-GIL BAK  
SUNG-WOOK PARK  
JUNG-WAN KO

**Abstract :**

A method of recording and reproducing video data is provided. The method of recording video data in an information storage medium includes the steps of (a) decoding the video data, (b) encoding the decoded video data in different way to original one, (c) generating video transform information which is to be referred to for decoding the video data into an original state, and (d) recording the generated video transform information and the re-encoded video data in the information storage medium. Accordingly, the video data can be properly reproduced even if it is re-encoded in different way to the original one.

**Application No. 577/DEL/2002 A****(22) Date of filing of Application : 22 May 2002****(54) Title of the invention : Illumination System And Projector Adopting The Same.****(51) International classification: G 03 B 21/00****(30) Priority Data:****(31) Document No. : 2001-61035****(32) Date : 29/Sep/2001****(33) Country : KOREA****(71) Name of the Applicant.:****SAMSUNG ELECTRONICS CO., LTD.****Address of the Applicant.:****416 MAETAN-DONG, PALDAL-GU, SUWON-CITY,  
KYUNGKI-DO  
KOREA****(72) Name of the Inventor.:****SUNG-HA-KIM****KIRILL SERGEEVICH SOKOLOV****Abstract :**

An illumination system which realizes a color image by using a light emitting device or a light emitting device array without a color wheel, and a projector adopting the illumination system, are disclosed. An illumination system includes at least one light emitting device for emitting a light beam having a predetermined wavelength, and a holographic optical element arranged on an optical path, for reducing the cross section of the light beam emitted from the light emitting device. A projector includes an illumination system including at least one light emitting device for emitting a light beam having a predetermined wavelength, the illumination system further comprising a holographic optical element arranged on an optical path for reducing the cross section of the light beam emitted from the light emitting device, a display device for forming an image by processing a light beam emitted from the illumination system according to an input image signal, and a projection lens unit for magnifying the image formed by the display device and projecting the magnified image onto a screen.

Application No. 578/DEL/2002 A

(22)Date of filing of Application :22/May/2002

(54)Title of the invention :An Improved Motor Cycle.

(51)International classification:B 62 K 11/00

(71)Name of the Applicant.:

PRADEEP KUMAR

Address of the Applicant.:

JAWAHARNAGAR, DIST. RAJOURI - 185131, Jammu and  
Kashmir  
INDIA

(72)Name of the Inventor.:

PRADEEP KUMAR

## Abstract :

1. An improved motor cycle comprising an internal combustion engine mounted on the main chassis of the motor cycle such that to provide a drive to the back wheel being secured at the back side of the chassis, a handle being provided at the front side of the chassis for supporting the front wheel provided for facilitating the riding of the motor cycle by the user characterized in that air supply means adapted to be operated by the sprocket wheel of the said engine being mounted at the middle portion of said chassis towards the back side of said engine, an air conveying pipe being secured with the outlet of said air supply means being connected to the inlet of an air measuring gauge, a flexible air conveying pipe having a nozzle assembly at one end being connected to the outlet of said gauge such that to provide the air to the punctured tyre tube assembly.

Application No. 579/DEL/2002 A

(22)Date of filing of Application :23/May/2002

(54)Title of the invention :Steered Swirl In Pneumatic Forwarding Tube Systems.

(51)International classification:B 65 G 51/00

(71)Name of the Applicant.:

AJAYA KUMAR

Address of the Applicant.:

FIRST FLOOR, V-8 GREEN PARK EXTENSION  
NEW DELHI - 110 016  
INDIA

(72)Name of the Inventor.:

AJAYA KUMAR

## Abstract :

A SWIRL CHAMBER INTERPOSTED AT COVERGENCE OF PLURALITY OF DIVERGENT PNEUMATIC FORWARDING TUBES AND COMMUNICATES WITH THE TUBES, INTRAMURAL OF SAID CHAMBER A TRANSPORTER CAPSULE IS CAUSED TO PERFORM A COMPLEX MOTION, THE MOTION BEING PREDOMINANTLY A SWIRLING SWERVE OR A PITCH CHANGING TRANSLATION, BY USE OF MECHANICAL, ELECTROMAGNETIC, MAGNETIC AND/OR PENUMATIC FORCES CAUSED TO ACT ON THE CAPSULE, THEREBY ACCOMPLISHING A DESIRED CHANGE IN THE DIRECTION OF LONGITUDIONAL TRAVEL OF THE CAPSULE, DIMENSIONS OF THE CHAMBER BEING ADEQUATE TO ACCOMODATE THE COMPLEX MOTION.

**Application No. 580/DEL/2002 A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Method For Reinforcing Soil Embankment And Structure Therefor. .****(51)International classification:**E02D 29/00**(30)Priority Data:****(31)Document No. :**PI 20013838**(32)Date :**15/Aug/2001**(33)Country :**MALAYSIA**(71)Name of the Applicant.:**

THAM YOKE WAH

LAI YIP POON

**Address of the Applicant.:**3, 2ND FLOOR, LORONG TIARA 1 B, BANDAR BARU  
KLANG, 41150 KLANG, SELANGOR DARUL EHSAN  
MALAYSIA3, 2ND FLOOR, LORONG TIARA 1 B, BANDAR BARU  
KLANG, 41150 KLANG, SELANGOR DARUL EHSAN  
MALAYSIA**(72)Name of the Inventor.:**

LAI YIP POON

THAM YOKE WAH

**Abstract :**

A method for reinforcing the soil of an embankment wall by providing a reinforcing grid wherein the grid is configured as hexagonal wire mesh. Preferably, the hexagonal reinforcement wire mesh is formed from pairs of wire which are multiple-entwined with one another and at alternating positions of the grid between pairs to form the hexagonal arrangement. The method further comprises comprising attaching a hexagonal wire mesh to the inside surface of the wall element which may preferably be comprised of modularly inter-connecting facing elements. The method includes providing the embankment wall with tying means for securing the edge of said hexagonal wire mesh sheet.

**Application No. 581/DEL/2002 A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Process For The Isolation And Purification Of A Glycoprotein Avidin.****(51)International classification:**C 12 N 009/00; C 07 K 003/00**(71)Name of the Applicant.:**

INDIAN INSTITUTE OF TECHNOLOGY

**Address of the Applicant.:**

HAUZ KHAS

NEW DELHI - 110016, Delhi

INDIA

**(72)Name of the Inventor.:**

MUNISHWAR NATH GUPTA

IPSITA ROY

MUKKAVILLI VENKATA SUBBA RAO

**Abstract :**

The present invention provides a process for the preparation of Avidin having a high purity of 98 % from egg white, the said process comprising lyophilizing the homogenized egg white with buffer followed by equilibrating the lyophilized material with cation exchanger for an hour at a temperature range of 20° to 30°C; filtering the mixture to obtain a filtrate and matrix residue; washing the matrix twice with buffer; separating the washings to obtain washed matrix; adding 0.01 M dye in buffer to the washed matrix; equilibrated for an hour at an ambient temperature; separating the supernatant; adding acetic acid to supernatant and dialysing the solution till it is decolorised to obtain pure Avidin

**Application No. 582/DEL/2002 A****(22) Date of filing of Application : 23/May/2002****(54) Title of the invention : System And Method For Blind Detection Of Bpsk Signals In A Multi-User Environment.****(51) International classification:** G 09 B 11/00**(71) Name of the Applicant.:**

INDIAN INSTITUTE OF TECHNOLOGY

**Address of the Applicant.:**

HAUZ KHAS

NEW DELHI - 110 016, Delhi

INDIA

**(72) Name of the Inventor.:**

PRASAD, SURENDRA

AI-BAYATI, ABUDUL KARIM (98REE009)

PRAKRIYA, SHANKAR

**Abstract :**

The present invention relates to a system and method for the blind detection of BPSK signals in a multi-user environment. More particularly, the present invention provides a system and a method for blind detection of BPSK signals in an environment with multiple simultaneous transmitters. The received signal is a composite signal consisting of several delayed phase shifted and attenuated versions of the desired signal with other such signals from other transmitters. The present invention also provides a system for blind (without using training sequences) detection of BPSK signals in a multiuser environment. In particular, the system of the invention is of utility in the CDMA environment.

**Application No. 583/DEL/2002 A****(22) Date of filing of Application : 24/May/2002****(54) Title of the invention : Optical Recording Film, Method For Manufacturing The Same, Optical Recording Medium, Information Recording/Reproducing Device, Computer System And Video Signal Recording/Reproducing System.****(51) International classification:** G 11 B 7/00**(30) Priority Data:****(31) Document No. :** 2001-161268**(32) Date :** 29/May/2001**(33) Country :** JAPAN**(71) Name of the Applicant.:**

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.,

**Address of the Applicant.:**

1006-BANCHI, OAZA-KADOMA, KADOMA-SHI, OSAKA

571-8501

JAPAN

**(72) Name of the Inventor.:**

KAZUFUMI OGAWA

**Abstract :**

An optical recording film in the form of a monomolecular layer, includes chemisorptive molecules that are chemically bonded by covalent bonding to a surface of a substrate. The optical recording film has the property that, when irradiated with polarized light, a long axis orientation of the chemisorptive molecules is changed to a direction in which the polarized light is irradiated. A reflective film may be formed on the substrate surface. For the chemisorptive molecules it is possible to use  $\text{CH}_3\text{-COO-C}_6\text{H}_4\text{-(CH}_2\text{)}_6\text{-SiCl}_3$ , for example. The molecules undergo a dehydrochlorination with active hydrogen in the base material surface, and are chemically bonded to the base material surface by covalent bonding. Thus, an erasable or a write once optical recording medium of high density can be provided by chemisorption without necessitating vacuum vapor



**Application No. 584/DEL/2002 A****(22)Date of filing of Application :24/May/2002****(54)Title of the invention :A Process For The Preparation Of A Resin For Use In The Manufacture Of The Composite Particle Boards From Rice Husk.****(51)International classification:B 27 N 3/00****(71)Name of the Applicant.:**NATIONAL RESEARCH DEVELOPMENT CORPORATION  
(GOI)**Address of the Applicant.:**ANUSANDHAN VIKAS, 20-22, ZAMROODPUR  
COMMUNITY CENTRE, KAILASH COLONY EXTENSION  
NEW DELHI - 110048, Delhi  
INDIA**(72)Name of the Inventor.:**

JOSEPH GEORGE

**Abstract :**

*I A process for the preparation of a resin for use for the manufacture of composite particle boards comprising mixing cashewnut shell liquid and/or cardanol with part of phenol, heating the mixture in presence of an alkaline catalyst, such as an aqueous solution of sodium hydroxide, adding paraformaldehyde to the said reaction mixture while the heating is continued to complete the condensation reaction and thereafter cooling the reaction product*

**Application No. 585/DEL/2002 A****(22)Date of filing of Application :24/May/2002****(54)Title of the invention :A Non-Vacuum Diffusion Bonding Process For Bonding Of Refractory Metals, Alloys And Super Alloys Of High Melting Points.****(51)International classification:B 21 D026/00; B23K 031/00;  
B23 K 020/00****(71)Name of the Applicant.:**

THE ADDITIONAL DIRECTOR IPR

**Address of the Applicant.:**DEFENCE RESEARCH & DEVELOPMENT  
ORGANISATION, MINISTRY OF DEFENCE, GOVT OF  
INDIA, B-341, SENA BHAWAN, DHQ P.O.  
NEW DELHI - 110011, Delhi  
INDIA**(72)Name of the Inventor.:**

RAHUL BASU

**Abstract :**

*According to the present invention, the diffusion bonding process is carried out without need for creating vacuum. In the known processes diffusion bonding coupled with plastic deformation is carried out in vacuum. By obviating the need for vacuum the process becomes, relatively inexpensive and time-efficient. The process involves cleaning, chemical treatment, loading, inert gas environment, heating, pressurisation and cooling. The heating-cooling cycle follows a trapezoidal form. Intermediary layers of foil or thin sheet can be used between the two surfaces to be bonded, which are compatible with the materials to be joined e.g. nickel is difficult to bond to titanium because the joint is brittle. Nickel is bonded to titanium with an intermediate layer of aluminium i.e. Ni to Al and Ti to Al instead of Ti-Ni directly. It is not essential for incipient liquid phase to form if the surfaces are provided with sufficient roughness and are chemically treated. The reason for treatment is to promote diffusion and allow some deformation of the surface asperities to allow greater area of surface to surface contact.*

*Application No. 586/DEL/2002 A**(22)Date of filing of Application :24/May/2002**(54)Title of the invention :A Process For Preparation Of A Vitamin Rich Jam.**(51)International classification:A 23 P 001/12; B 29 C 045/16; A 23 G 001/20**(71)Name of the Applicant.:*

THE ADDITIONAL DIRECTOR (IPR)

*Address of the Applicant.:*

DEFENCE RESEARCH AND DEVELOPMENT

ORGANISATION, MINISTRY OF DEFENCE, GOVT. OF

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NEW DELHI - 110001, Delhi

INDIA

*(72)Name of the Inventor.:*

SANJAI KUMAR DWIVEDI

COL DHARM PAUL ATTREY

BASANT BALLABH

**Abstract :**

According to the present invention there is provided a process for preparation of a vitamin rich jam based on the berries of the herb *Hippophae* sps (seabuckthorn) found in high altitude areas like Ladakh, Uttaranchal, Sikkim etc. The juice of washed ripe , seabuckthorn fruits is mixed with equal amount of clean and crushed apple pulp. Sugar and water are added to the mixture and then it is heated with continuous stirring for proper mixing. 2-3 g of pectin, citric acid are dissolved separately in lukewarm water and added to the mixture. The mixture is further boiled till end point is achieved and then filled hot into coloured, sterilized glass bottles Though the natural juice of seabuckthorn is highly acidic, unsuitable for direct consumption, the prepared jam retains maximum vitamins of the and has a good taste suitable for direct consumption. The jam is rich in many natural vitamins A, B1 , B2, E & K and also has medicinal value with antioxidant and flavonoides. The jam has a shelf life of at least one year under ambient temperatures and one & a half years in high altitudes areas.

**Application No. 587/DEL/2002 A****(22)Date of filing of Application :24/May/2002****(54)Title of the invention :A Water Based Adhesive Composition And A Process For The Preparation Thereof.****(51)International classification:C 08 L 7/00****(71)Name of the Applicant.:**

SHRIRAM INSTITUTE FOR INDUSTRIAL RESEAERCH

**Address of the Applicant.:**

19, UNIVERSITY ROAD

DELHI - 110007, Delhi

INDIA

**(72)Name of the Inventor.:**

DAYAL SINGH MEHRA

SUMITA KAMATH

AMIT KUMAR

**Abstract :**

*1. A water based adhesive composition comprising 100 parts rubber latex, 0.5-65 parts colouring/u.v. stabilizer, 0.01-40 parts silica, 0.1-15 parts antioxidant, 1.0-35 parts stearic acid, 0.2-25 parts curator, 0.1-20 parts accelerator, 1.0-110 parts surfactant and 10-400 parts water mixed together homogenously.*

**Application No. 588/DEL/2002 A****(22)Date of filing of Application :27/May/2002****(54)Title of the invention :A Rodent Repellent, Anti Fungal Composition And A Process For The Preparation Thereof.****(51)International classification:A 01 N 29/00; A 01 N 59/00****(71)Name of the Applicant.:**

SHRIRAM INSTITUTE OF INDUSTRIAL RESEARCH

**Address of the Applicant.:**

19, UNIVERSITY ROAD

DELHI - 110007, Delhi

INDIA

**(72)Name of the Inventor.:**

MEENU SETHI

MEENU TALWAR

MOZAFFAR ALAM KHAN

MOHAMMAD QAMAR PARVWEZ

**Abstract :**

*This invention relates to a composition and a process for preparation thereof wherein composition is effective as rodent repellent and for preventing fungal growth. The composition incorporates resin, stabilizer, plasticiser, an additives, a rodent repellent and an anti fungal agent. The process for preparation of the composition consists of blending for 3-5 minutes, a mixture of resin and stabilizer, at temperature of 80°C followed by mixing of plasticiser at the same temperature. Thereafter, a and an anti-fungal agent are added to the mix and mixing is continued for 5-10 minutes at 80°C to obtain free flow powder composition.*

**Application No. 589/DEL/2002 A****(22)Date of filing of Application :28/May/2002****(54)Title of the invention :Water Treatment System.****(51)International classification:** B 01 D 21/00; C 02 F 1/00**(30)Priority Data:****(31)Document No. :**2001-158902**(32)Date :**28/May/2001**(33)Country :**JAPAN**(71)Name of the Applicant.:**

SANYO ELECTRONICS CO. LTD.,

**Address of the Applicant.:**

5-5, KEINHANHONDORI 2-CHOME, MORIGUCHI-SHI,

OSAKA 570-8677

JAPAN

**(72)Name of the Inventor.:**

KAZUHIRO YAMAMOTO

MINORU KISHI

YOSHIHIRO INAMOTO

TATSUYA HIROTA

TAMOTSU KAWAMURA

**Abstract :**

*In accordance with the present invention, there is provided a water treatment system for sterilizing water retained in a water container, the system comprising: a circulation process line for pumping the to-be-sterilized water out of the water container, sterilizing the water through electrolysis, and feeding the sterilized water back into the water container; means for producing a sterilizing solution having a sterilizing function by electrolyzing an electrolytic solution containing chlorine ions and having a function of promoting an electrochemical reaction; and means for supplying the produced sterilizing solution into the circulation process line as required. The system can constantly sterilize the water in the circulation process line and, as required, additionally supply the sterilizing solution produced by the sterilizing solution producing means into the circulation process line according to a variation in the quality of the water. Thus, the quality of the water in the water container can properly be maintained.*

**Application No. 590/DEL/2002 A****(22)Date of filing of Application :28/May/2002****(54)Title of the invention :An Eye Composition For Preventing Posterior Capsule Opacification (After Cataract).****(51)International classification:A 61 B 17/00****(71)Name of the Applicant.:**

DR. JHA, MRINAL CHANDRA

**Address of the Applicant.:**FLAT NO-4, BLOCK F-1, CHARMWOOD WILLAGE, SURAJ  
KUND ROAD,  
FARIDABAD - 121009, Haryana  
INDIA**(72)Name of the Inventor.:**

DR. JHA, MRINAL CHANDRA

**Abstract :**

The present invention relates to an eye composition for the prevention of posterior capsule opacification (after cataract). It comprises a Balanced Salt Solution or Ringer Lactate Solution, as herein described, and mitomycin-C - 1-40 micro grams per ml of said Balanced Salt Solution or Ringer Lactate Solution.

**Application No. 591/DEL/2002 A****(22)Date of filing of Application :28/May/2002****(54)Title of the invention :A Process Of Preparing An Eye Composition For Preventing Posterior Capsule Opacification (After Cataract).****(51)International classification:A 61 K 37/403****(71)Name of the Applicant.:**

DR. JHA MRINAL CHANDRA

**Address of the Applicant.:**FLAT NO. 4, BLOCK-F-1, CHARMWOOD VILLAGE, SURAJ  
KUND ROAD  
FARIDABAD - 121009, Haryana  
INDIA**(72)Name of the Inventor.:**

DR. JHA MRINAL CHANDRA

**Abstract :**

THE PRESENT INVENTION RELATES TO A PROCESS OF PREPARING AN EYE COMPOSITION FOR PREVENTING POSTERIOR CAPSULE OPACIFICATION (AFTER CATARACT). IT COMPRISES PREPARING BALANCED SALT SOLUTION OF RINGER LACTATE SOLUTION, AS HEREIN DESCRIBED, AND MIXING MITOMYCIN-C WITH THE SAID BALANCED SALT SOLUTION OR RINGER LACTATE SOLUTION IN THE RATIO OF 1 MICRO GM MITOMYCIN-C PER ML OF BALANCED SALT SOLUTION OR RINGER LACTATE SOLUTION OR RINGER LACTATE SOLUTION TO 40 MICRO GM MITOMYCIN-C PER ML OF BALANCED SALT SOLUTION OR RINGER LACTATE SOLUTION AT NORMAL TEMPERATURE AND PRESSURE.

**Application No. 592/DEL/2002 A****(22)Date of filing of Application :28/May/2002****(54)Title of the invention :Sealing Device For Fastening.****(51)International classification:B 65 D 53/00****(71)Name of the Applicant.:****KIM WOO SUNG****Address of the Applicant.:****607-1006 MOKDONG APARTMENT YANGCHEONKU****SEOUL****KOREA****(72)Name of the Inventor.:****KIM WOO SUNG****Abstract :**

A sealing device for fastening is disclosed. A conventional sealing device has a disadvantage that the sealing device cannot be detached without damaging a sealing cap. The sealing device includes: a fixing tool having a supporting plate of a prescribed form, a plurality of fixing legs protruding to a side of the supporting plate and inserted into the structure, and a supporting protrusion protruding to the other side of the supporting plate, the supporting protrusion being inserted into the article and having a screw hole formed in the center thereof; a fixing screw coupled with the screw hole and having a head part spreading the fixing legs to the outside; a sealing plate having a hole for passing the supporting protrusion, a seating part for seating the head part, and jaws formed on an inner circumference; a sealing cap having hooks caught and fixed to the jaws; and a sealing member mounted on the sealing cap and indicating a sealed condition. The sealing device, in case that it is applied to a license plate of a car, can allow the license plate to be easily fastened and prevent a theft of the license plate because the sealing device is not detached without damaging the sealing member. Moreover, besides the license plate, the present invention can be applied to other fields, for example, the secret ballot box, the precision apparatus or others, to keep security.

**Application No. 593/DEL/2002 A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Programmable Logic Devices Providing Reduced Power Consumption.****(51)International classification:G 11 C 11/00****(71)Name of the Applicant.:**

STMICROELECTRONICS PVT. LTD.

**Address of the Applicant.:**PLOT NO. 2 & 3, SECTOR 16A, INSTITUTIONAL AREA  
NOIDA - 201 3001, Uttar Pradesh  
INDIA**(72)Name of the Inventor.:**KHANNA NAMERITA  
SWAMI PARVESH  
AGARWAL DEEPAK**Abstract :**

*This invention relates to a Programmable Logic Device providing reduction in power consumption for sequential logic and data storage functions, comprising at least one circuit arrangement configurable to function as a dual-edge-triggered flip-flop operating on a selected one or both edges of the circuit clock.*

**Application No. 594/DEL/2002 A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :Unique Designs Of Toothbrush With Tongue Cleaning Facility.****(51)International classification:A 64 B 15/00****(71)Name of the Applicant.:**

SUKHJINDER SINGH

**Address of the Applicant.:**H. NO. 647/16, OLD BIHAN NAGAR  
PATIALA - 147 001, Punjab  
INDIA**(72)Name of the Inventor.:**

SUKHJINDER SINGH

**Abstract :**

*The mentioned of easy to use toothbrush with T.C facility.*

**Application No. 595/DEL/2002 A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :System For Controlling Engine Torque When Shifting From Idle State.****(51)International classification:**B 60 K 41/06**(30)Priority Data:****(31)Document No. :**2001-0074443**(32)Date :**28/Nov/2001**(33)Country :**KOREA**(71)Name of the Applicant.:**

HYUNDAI MOTOR COMPANY

**Address of the Applicant.:**231, YANGJAE-DONG, SEOCHO-KU, SEOUL  
KOREA**(72)Name of the Inventor.:**

KIM JOUNG-CHUL

**Abstract :**

The present invention provides a system for controlling engine torque when shifting from an idle state in an automatic transmission, in which the system improve, in a simple manner, a shift feel and a durability of friction elements such as clutches in the transmission. If idle conditions are satisfied and a change in a shift range by a shift lever is detected, an opening degree of a throttle valve and an engine speed are detected, and an engine torque control value is calculated from a map table established for the shift range change by the shift lever is positioned, after which engine torque is controlled based on the engine torque control value.

**Application No. 596/DEL/2002 A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :Baffle In Swirl Chamber Of Pneumatic Forwarding Tube Systems.****(51)International classification:**B 65 G 51/00**(71)Name of the Applicant.:**

AJAYA KUMAR

**Address of the Applicant.:**FIRST FLOOR, V-8 GREEN PARK EXTENSION  
NEW DELHI - 110016, Delhi  
INDIA**(72)Name of the Inventor.:**

AJAYA KUMAR

**Abstract :**

A swirl chamber interposed at convergence of plurality of divergent pneumatic forwarding tubes and communicates with the tubes, intramural of said chamber a transporter capsule is caused to perform a complex motion, the motion being predominantly a swirling swerve or a pitch changing translation, by use of mechanical, electromagnetic, magnetic and/or pneumatic forces caused to act on the capsule, thereby accomplishing a desired change in the direction of longitudinal travel of the capsule, dimensions of the chamber being adequate to accomodate the complex motion. One or more baffles are placed across path of the flowing air to restrict escape of the propelling air past the capsule inside the chamber.



**Application No. 597/DEL/2002 A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :An Improved Process For The Pre-Treatment Of Vegetable Oils For Physical Refining.****(51)International classification:C 11 B 3/00****(71)Name of the Applicant.:****COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH****Address of the Applicant.:****RAFI MARG****NEW DELHI - 110001, Delhi****INDIA****(72)Name of the Inventor.:****KARTHIKA GADDAM****BETHALA LAKSHMI ANU PRABHAVATHI DEVI****PRADOSH PRASAD CHAKRABARTI****KARNA NARAYANA PRASANNA RANI****VEMULAPALLI VANDANA****CHELIMI KALYANI****BHIMIDIPATI VENKATA SURYA KOPPEWARA RAO****SAMIR KUMAR ROY****VIJAY KALE****RACHAPUDI BADARI NARAYANA PRASAD****Abstract :**

*The present invention relates to a simple and economically attractive process for the pretreatment of vegetable oil which involves (a) enzymatic degumming with commercially available phospholipase A1 from the sources like *Aspergillus oryzae* microorganism, (b) bleaching of the enzymatically degummed oil using bleaching earth and activated carbon, and (c) dewaxing (in case of rice bran oil) of degummed and bleached oil at lower temperature to obtain oil with less than 5 of residual phosphorus which is amenable for physical refining*

Application No. 598/DEL/2002 A

(22)Date of filing of Application :30/May/2002

(54)Title of the invention :An Improved Effluent Treatment Plant Useful For The Treatment Of Tannery Wastewater To Obtain Non-Poluting Water And A Process Thereof.

(51)International classification:C 25 B 9/00; C 02 F 1/00; C 02 C 5/00

(71)Name of the Applicant.:  
COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH

Address of the Applicant.:  
RAFI MARG  
NEW DELHI - 110001, Delhi  
INDIA

(72)Name of the Inventor.:  
SANTOSH NARAIN KAUL  
NAGESWARA RAO NETI  
TAPAS NANDY  
SHANTA SATYANARAYAN  
LIDIA SZPYRKORIEZ

**Abstract :**

The present invention seeks to provide the following technical result: an improvement in the conventional scheme of treatment of tannery wastewater, eliminate some of the treatment steps therein by way of inserting the proposed electrochemical reactor in place of one or more unit operations in conventional scheme and yet achieve desired treatment efficiency. The ability of the improved effluent treatment plant to effect universal treatment for the variety of contaminants found in the wastewater is unique. This is exemplified by treating tannery wastewater from different stages of conventional treatment scheme.

Application No. 599/DEL/2002 A

(22)Date of filing of Application :31/May/2002

(54)Title of the invention :Nasal Laryngeal Mask Airway.

(51)International classification:A6 2B 7/14

(71)Name of the Applicant.:

TRAMBOO, DR. TARIQ

TRAMBOO, DR. TARIQ

Address of the Applicant.:

RAJ BAGH,

SRINAGAR - 190001, Jammu and Kashmir

INDIA

3/3 SECOND FLOOR, EROS GARDEN, CHARMSWOOD  
VILLGE

FARIDABAD, Haryana

INDIA

(72)Name of the Inventor.:

TRAMBOO, DR. TARIQ

TRAMBOO, DR. TARIQ

**Abstract :**

A Nasal Laryngeal Mask Airway consisting of Tube, Inflatable Mask, Inflatable Cuff and two inflating channels for mask and cuff. The tube will have two ends, proximal end and distal end. Proximal end (bewel) will be blind and elliptical shaped making an angle of 45 degrees with the tube (similar to bewel of standard naso-tracheal tube) 1-2 cm distal to bewel will be the opening in the tube. The opening will be circular in shape and will be meant for delivering air to larynx. A distal end of the tube will have a connector fitted in it which will be removable and will connect the tube with circuit for positive pressure ventilation e.g. bair circuit.

Application No. 600/DEL/2002 A

(22)Date of filing of Application :31/May/2002

(54)Title of the invention :Rapid Detection Of Bt-Cry Toxins.

(51)International classification:C 12 N 015/75

(71)Name of the Applicant.:

INDIAN COUNCIL OF AGRICULTURAL RESEARCH

Address of the Applicant.:

KRISHI BHAWAN, DR. RAJENDRA PRASAD ROAD

NEW DELHI - 110001, Delhi

INDIA

(72)Name of the Inventor.:

DR. KESHAV RAJ KRANTHI

**Abstract :**

The present invention is based on the use of 1. two polyclonal IgGs against two Cry toxins, 2. Cry toxin receptors isolated from lepidopteran larvae and 3. manual striping methods to manufacture immunochromatographic strips that are useful in detecting a variety of analytes. Immunochromatographic strips, which facilitate rapid detection of analytes are expensive if made using monoclonal antibodies and cannot be affordable for Indian farmers and extension workers. The main objective of the current method was to simplify the development of the immunochromatographic detection method for Cry (Bt) toxin detection using affinity purified polyclonal antibodies specific to the analyte and also to provide a robust and easy method suitable for manufacture of 'Cry1Ac/Cry1Ab/Cry2Aa/Cry2Ab toxin' detection strips at affordable cost, under Indian conditions. Anti-Bt (anti-Cry1Ac or anti-Cry2Aa/Ab or both) antibody or Cry receptor proteins are immobilized on a cellulose nitrate membrane by manual striping. The membrane is blocked using casein or BSA and preservatives. Anti-Bt (anti-Cry1Ac or anti-Cry2Aa/Ab or both) antibody is labeled with gold and adsorbed on glass-fibre membrane which is placed at the bottom the membrane so as to overlap 2mm. Specificity and accuracy of the assay are greatly enhanced due to the use of antigen-affinity and Protein-A affinity purified polyclonal IgG raised in two different animals (goat and rabbit). The schematic diagram of the Cry toxin detection lateral flow strip assembly is shown in a diagram appended herewith. The strips thus made represent rapid, sensitive devices and methods for detecting the presence of Cry1Ac/Cry1 Ab/Cry2Aa/Cry2Ab and crystal toxins either from transgenic plants or in Bt-fermented products. The methods and devices have high sensitivity to detect either single or two Cry toxins simultaneously on a single strip. Use of the present methods provide an assay system which involve a minimal number of steps, and yield reliable results even when used by untrained persons.

**Application No. 601/DEL/2002 A****(22)Date of filing of Application :31/May/2002****(54)Title of the invention :Attachable/Detachable Heel For Ladies Pencil Point Heels.****(51)International classification:A 4 3 B 21/00****(71)Name of the Applicant.:**

FATEH SINGH NABHA

**Address of the Applicant.:**

10-A, KASTURBA GANDHI MARG

NEW DELHI - 110 001, Delhi

INDIA

**(61)Patent Of addition to Application No. 7/DEL/1998  
filed on 01/Jan/1998****(72)Name of the Inventor.:**

FATEH SINGH NABHA

**Abstract :**

1. An attachable detachable heel comprising a base element having surface area sufficient to distribute weight and a fixing or connecting means which connects the base element to the lower part of a shoe or sandal, wherein the fixing or connecting means is capable of removably engaging with the bottom of the heel or receiving the heel.

**Application No. 602/DEL/2002 A****(22)Date of filing of Application :31/May/2002****(54)Title of the invention :Plds Providing Optimized Implementation Of Multiplexers.****(51)International classification:G05B 19/05****(71)Name of the Applicant.:**

STMICROELECTRONICS PVT. LTD.

**Address of the Applicant.:**

PLOT NO. 2 &amp; 3, SECTOR 16A, INSTITUTIONAL AREA

NOIDA - 2013001, Uttar Pradesh

INDIA

**(72)Name of the Inventor.:**

DIGARI KAILASH

CHOUDHARY NARAYAN

**Abstract :**

this invention relates a programmable logic device comprising at least one multi-input look-up-table (LUT) configured to operate as multiple interconnected sub-LUTs, coupled to a multiplexer that selects the output from one of the sub-LUTs as the final output

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00578 /KOLAH	<i>(22) Date of filing :</i> 01-05-2002
<i>(54) Title :</i> ISOLATION AND CHARACTERIZATION OF A FIBER-SPECIFIC ACTION PROMOTER FROM COTTON	<i>(51) International Classification :</i> C 12 N 15/11

<i>(71) Name of the Applicant :</i> INSTITUTE OF MOLECULAR AGROBIOLOGY	
<i>Address of the Applicant :</i> 1 RESEARCH LINK, SINGAPORE 117604, SINGAPORE	
<i>(72) Name of the Inventors :</i> 1. LI XUE BAO      2. CAI LIN      3. CHENG NINGHUI      4. LIU JIAN-WEI.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> PCT/SG00/00112
	<i>(32) Date :</i> 01.08.2000
	<i>(33) Country :</i> PCT
<i>(61) Patent of addition to Application No.      filed on</i>	
<i>(62) Divisional to Application no.      filed on</i>	

*Abstract : The present invention relates to the cotton actin gene CFACT1, and the fiber-specific promoter thereof. These promoters show strong fiber-specific activity.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00579/KOLAK	<i>(22) Date of filing :</i> 01-05-2002
<i>(54) Title :</i> ISOLATION AND CHARACTERIZATION OF A FIBER-SPECIFIC B-TUBULIN PROMOTER FROM COTTON	<i>(51) International Classification :</i> C12N 15/11

<i>(71) Name of the Applicant :</i> INSTITUTE OF MOLECULAR AGROBIOLOGY	
<i>Address of the Applicant :</i> 1 RESEARCH LINK, SINGAPORE 117604, SINGAPORE	
<i>(72) Name of the Inventors :</i> 1. CAI LIN 2. LI XUEBAO 3. CHENG NINGHUI 3. LIU JIAN-WEI	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> PCT/SG00/00111
	<i>(32) Date :</i> 01-08-2000
	<i>(33) Country :</i> PCT
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : The present invention relates to a cotton  $\beta$ -tubulin gene CFTUB2, and active fragments thereof. The promoters show strong fiber-specific activity.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00580/KOLA	(22) Date of filing : 01-05-2002
(54) Title : EARTH COOLED DISTRIBUTION TRANSFORMER SYSTEM AND METHOD	(51) International Classification : H01F 27/06

(71) Name of the Applicant : CENTRE D'INNOVATION SUR LE TRASPORT D'ENERGIE DU QUEBEC

Address of the Applicant : 1501, LIONEL-BOULET, VARENNES, QUEBEC J3X 1P9, CANADA

(72) Name of the Inventors : 1. PARADIS CLAUDE. 2. DUPONT ANDRE.

(30) Priority Data :	(31) Document No: PCT/CA99/01015
	(32) Date : 29.10.1999
	(33) Country : PCT

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

**Abstract** : An earth cooled distribution transformer system and a method of cooling same and distributing electrical power to a plurality of consumer loads (32) is described. A distribution transformer (10) is provided with the primary (16) and secondary (17) windings encapsulated in a solid insulating material. The steel magnetic core (13) remains exposed and the transformer is buried in ground at a predetermined depth with the core (13) exposed whereby heat generated by the windings is dissipated into the earth through the exposed magnetic core. The high voltage supply cable (20) may be a buried cable or is at least partially buried as well as the power distribution cable (21), which feeds power to one or more consumer loads. The power distribution transformer (10) may be buried adjacent a manhole enclosure (12) with the primary and secondary winding power cables being connected to terminals (22-25) accessible in the manhole. A series of power distribution transformers (10) and supply cables (20) as well as feed cables (21) may be buried in ground in a network to feed an entire residential area without the need to provide insulating casings or even manhole enclosures.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00581 /KOLA I	(22) Date of filing : 01-05-2002
(54) Title : STEAM-TYPE GAS TURBINE SUBASSEMBLY AND METHOD FOR ENHANCING TURBINE PERFORMANCE	(51) International Classification : F01D 11/00, 11/02 5/14

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NY 12345, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. MORTZHEIM, JASON, PAUL. 2. MAUGHAN, JAMES ROLLINS. 3. TURNQUIST, NORMAN, ARNOLD. 4. MONTGOMERY, MICHAEL, EARL.	
(30) Priority Data :	(31) Document No: PCT/US01/25915
	(32) Date : 17.08.2001
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A steam-type gas turbine subassembly (22) for enhancing the turbine performance includes a stator (24), rotor (26), annular brush seal (28) or annular labyrinth seal (56), and first and second gas-flow deflectors (30, 32). A main flow of gas (44) moves along the stator (24) and rotor (26) which together define a wheel space cavity (46). A secondary flow of gas (48) moves from the main flow of gas (44) adjacent to an upstream stage (36) of the rotor (26) through the wheel space cavity (46) and into the main flow of gas (44) adjacent to a downstream stage (38) of the rotor (26). The annular brush seal (28) or annular labyrinth seal (56) extends, across the wheel space cavity (46) between the rotor stages (36, 38) blocking at least a portion of the secondary flow of gas (48). The gas-flow deflectors (36, 38) are radially displaced and offset from one another such that the secondary flow of gas (48) is turned into a tangential relationship to the main flow of gas (44).



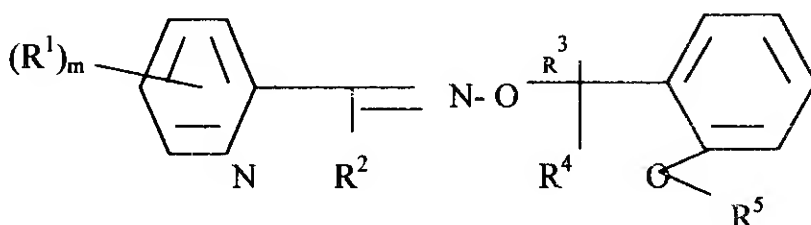
**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00582 /KOLA	(22) Date of filing : 01-05-2002
(54) Title : OXIME O-ETHER COMPOUNDS AND FUNGICIDES FOR AGRICULTURAL AND HORTICULTURAL USE	(51) International Classification : C07D 213/44, 213/61, 213/64, A61N 43/40

(71) Name of the Applicant : NIPPON SODA CO. LTD.	
Address of the Applicant : 2-1 OHTEMACHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN	
(72) Name of the Inventors : 1. SANO, HIROSHI. 2. SUGIURA, TADASHI. 3. NAKAGAWA, YUKI. 4. HAMAMURA, HIROSHI. 5. MITANI, AKIRA 6. ANDO, TAKAHIRO	
(30) Priority Data :	(31) Document No: 11/314544 AND 2000/96516
	(32) Date : 22.12.2000 AND 22.12.2000
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Novel oxime D-ether compounds represented by general formula [I]; and fungicides for agriculture and horticultural use, containing the compounds as the active ingredient (I) wherein  $R^1$  is  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $C_{1-6}$  alkoxy, or the like;  $m$  is an integer of 1 to 4;  $R^2$  is hydrogen  $C_{1-6}$  alkyl or the like;  $R^3$  and  $R^4$  are each hydrogen or  $C_{1-6}$  alkyl;  $R^5$  is hydrogen,  $C_{1-6}$  alkyl, or the like;  $R^6$   $C_{1-6}$  alkyl;  $R^5$  is hydrogen,  $C_{1-6}$  alkyl or the like;  $R^6$  is  $C_{1-6}$  alkyl,  $C_{2-6}$  alkenyl,  $C_{2-6}$  alkynyl,  $C_{1-6}$  alkoxy, halogeno, or the like; and  $n$  is an integer of 1 to 4



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00583 /KOLA	(22) Date of filing : 01-05-2002
(54) Title : METHOO FOR MATCHING PRINTING INK COLORS	(51) International Classification : H04N 1/60

(71) Name of the Applicant : FLINT INK CORPORATION	
Address of the Applicant : 4600 ARROWHEAD DRIVE, ANN ARBOR, MI 48105-2773, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : CHAN, DOMMINGO	
(30) Priority Data :	(31) Document No: 09/416,164
	(32) Date : 11.10.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A system is provided that includes a first computer that can communicate with a second computer. The second computer sends information to the first computer that includes a desired ink color and optionally includes information of oilier desired ink properties. The first computer includes a database of data for predicting color data of ink formulations using a selected ink base color set, a software program for selecting an ink formulation based on data for a desired ink, and a software program for sending information to the second computer to display the color of the selected ink formulation on a color monitor connected to the second computer. The ink base color set can be selected to provide oilier desired properties for the ink, such as low cost, light fastness, or chemical resistance.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00584 /KOLA	(22) Date of filing : 01-05-2002
(54) Title : SCROLL COMPRESSOR FOR NATURAL GAS	(51) International Classification : F04B 49/00

(71) Name of the Applicant : COPELAND CORPORATION	
Address of the Applicant : 1675, W. CAMPBELL ROAD, SIDNEY, OH 45365-0669 UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. IGNATIEV, KIRILL M.    2. FOGT, JAMES. F 3. FEATHERS KENNETH L. .	
(30) Priority Data :	(31) Document No: 09/435,532
	(32) Date : 08.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No.    filed on	
(62) Divisional to Application no.    filed on	

**Abstract** : A scroll type compressor (10) has both a high pressure lubricant sump (110) and a low pressure lubricant sump (52). Lubricant from the low pressure lubricant sump is supplied to the various bearings, thrust surfaces and other moving components of the compressor. It is then routed in such a way that it can absorb heat from the motor windings thus maintaining the operating temperature of the motor (38). Lubricant from the high pressure sump (110) is supplied to the moving compression chambers (98) defined by the scrolls at a point intermediate suction and discharge. The lubricant supplied from the high pressure sump (110) is first cooled and then used to cool the low pressure sump (52) prior to being supplied to the moving compression chambers (98, 66). The compressed gas is routed through two lubricant separators (18, 128) and a gas cooler (16) prior to being supplied for its intended use.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00585/KOLA		<i>(22) Date of filing :</i> 01-05-2002	
<i>(54) Title :</i> CAB FOR CONSTRUCTION MACHINERY		<i>(51) International Classification :</i> F02F 9/16, B66C 13/54	
<i>(71) Name of the Applicant :</i> HITACHI CONSTRUCTION MACHINERY CO. LTD. AND PRESS KOGYO CO. LTD.			
<i>Address of the Applicant :</i> 5-1, KORAKU 2-CHOME, BUNKYO-KU, TOKYO, 112-004, JAPAN. AND 1-1 SHIOHAMA, 1-CHOME, KAWASAKI-KU, KAWASAKI-SHI, KANAGAWA 210-8512, JAPAN			
<i>(72) Name of the Inventors :</i> 1. SANYO TSUYOSHI. 2. KOMATSU KAZYNORI. 3. SATOU KATSUHIRO			
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 2000- 282394		
	<i>(32) Date :</i> 18.09.2000		
	<i>(33) Country :</i> JAPAN		
<i>(61) Patent of addition to Application No.</i> filed on			
<i>(62) Divisional to Application no.</i> filed on			

*Abstract :* Front mount bases (14, 15) which are located at four corner portions under a cab (11) are constituted by base plates (14A, 15A) and fitting joint projections (14B, 15B), and rear mount bases (16, 17) are constituted by base plates (16A, 17A) and fitting joint projections (16B, 17B). On the other hand, front pillars (22, 23) to be erected on the front mount bases (14, 15) are provided with notched portions (22B, 23B) for fitting

engagement with the fitting joint projections (14B, 15B, 16B, 17B), respectively. Rear pillars (24, 25) to be erected on the rear mount bases (16, 17) are provided with notched portions (24A, 25A) for fitting engagement with the fitting joint projections (16B, 17B). Accordingly, a weld can be formed along and between marginal edge portions around the fitting joint projections (14B, 15B, 16B, 17B) and notched portion (22B, 23B, 24A, 25A) in such a way as to increase the welding distance and to increase the strength of the welded joint portions.

#### **PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00586, /KOLA	(22) Date of filing : 01.05.2002
(54) Title : ARRANGEMENT FOR TRANSFORMING AN ELECTRICAL VARIABLE AND USE OF SAID ARRANGEMENT	(51) International Classification : G01R 1/18, H02B 13/035

(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
(72) Name of the Inventors : SMITH, NORMAN	
(30) Priority Data :	(31) Document No: 09/443, 749
	(32) Date : 19.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

- **Abstract :** The invention relates to an arrangement for measuring an electrical variable on a high voltage line. An electrically conductive hollow body that can be connected to an earth potential is connected to a hollow insulating body in such a way as to form a cavity through which an electrical conductor is guided. inside. A section of the insulating body at the hollow body-side end is surrounded on the out- side by a shielding body. An electrical transformer surrounds the hollow body outside of the cavity. The arrangement is explosion-proof and can be produced comparatively economically.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. <del>IMP</del> CT/2002/00587/KOLA	(22) Date of filing : 01/05/2002
(54) Title : METHOD FOR REPRESENTING NON-TRANSMITTED BITS IN A FRAME TO BE SENT IN COMPRESSED MODE	(51) International Classification : H04 B 7/26

(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
(72) Name of the Inventors : 1. SENNINGER, CHRISTIAN. 2. RAAF, BERNHARD	
(30) Priority Data :	(31) Document No: 19956492.2
	(32) Date : 24.11.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : In compressed mode, there are more TFCI positions available than TFCI bits . In order to also fill the surplus TFCI positions with bits, thus obtaining the maximum possible performance, the invention is characterised in that, for the downlink in particular, the TFCI positions which immediately follow the transmission gap that occurs in compressed mode are filled with DTX bits.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00588 <i>KOLA</i>	(22) Date of filing : 01-05-2002
(54) Title : MULTIPLE PAUSE RECORDING ON A REWRITABLE DISK MEDIUM	(51) International Classification : H04N 5/76

(71) Name of the Applicant : THOMSON LICENSING S.A.	
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE	
(72) Name of the Inventors : WILLIS DONALD HENRY	
(30) Priority Data :	(31) Document No: 60/164, 790
	(32) Date : 10.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A method utilizing a disk medium for implementing a second pause during the course of a previously paused program. comprising the steps of: interrupting recording to and playing back from a first pattern of interleaved segments used to implement the first pause and jumping to a different portion of the track; alternately recording the program to and playing the programme back from a second pattern of interleaved segments at the different portion of the track ; moving only sequentially from segment to segment within each of the first or second patterns during the alternating recording and playing back as long as recorded segments can be played back in order within each of the first or second patterns of segments; and, jumping between the first and second patterns of segments only when the oldest unplayed recorded segment is in the other one of the first or second patterns.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00589/KOLA	(22) Date of filing : 01.05.2002
(54) Title : HETEROCYCLE SUBSTITUTED DIPHENYL LEUKOTRIENE ANTAGONISTS	(51) International Classification : c07d 263/32

(71) Name of the Applicant : ELI LILLY AND COMPANY

Address of the Applicant : LILLY CORPORATE CENTER, INDIANAPOLIS, IN  
46285, UNITED STATES OF AMERICA.

(72) Name of the Inventors : 1. SAWYER JASON, SCOTT  
2. BEIGHT, DOUGLAS, WADE. 3. SMITH, EDWARD, C.R.  
4. MCMILLEN, WILLIAM, THOMAS.

(30) Priority Data :	(31) Document No: 60/164, 703
	(32) Date : 11.11.1999
	(33) Country : UNITED STATES OF AMERICA.

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

*Abstract : The invention relates to novel heterocycle substituted diphenyl leukotriene B<sub>4</sub> (LTB<sub>4</sub>) antagonists, to compositions containing such compounds, and to methods of using such compounds for treatment of inflammatory diseases.*



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00590/KOLA	(22) Date of filing : 01.05.2002
(54) Title : METHOD AND APPARATUS FOR ENHANCING GREEN CONTRAST OF A COLOR VIDEO SIGNAL	(51) International Classification : H04N 9/64

(71) Name of the Applicant : THOMSON LICENSING S.A.	
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE	
(72) Name of the Inventors : 1. MILLER, RICK WAYNE. 2. CARLSGAARD, ERIC STEPHEN. 3. HORLANDER, KARL FRANCIS	
(30) Priority Data :	(31) Document No: 60/166, 141
	(32) Date : 18.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Method and apparatus for automatically enhancing the foliage display of a color signal includes providing the color signal in multiplexed form having alternating first and second components, the first component being substantially aligned with a flesh tone color space axis, the second component being substantially aligned with a green tone color space axis. A de-multiplexing unit separates the first and second components to provide a first de-multiplexed component substantially aligned with the flesh tone axis and a second de-multiplexed component substantially aligned with the green tone axis. A processing unit generates from the de-multiplexed components a green tone enhancement control signal for increasing green tone contrast of the color signal; and a modifying unit modifies the magnitude of the multiplexed color signal by applying the multiplexed color signal and the green tone enhancement control signal to a multiplier to provide a modified multiplexed output signal at an output having enhanced foliage contrast. In an exemplary embodiment, the green enhancement control signal and a flesh tone enhancement control signal are applied to a common multiplier thereby advantageously providing both flesh tone and foliage enhancement with an absolute minimum of circuitry for the combined functions.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00591/KOL A	(22) Date of filing : 01.05.2002
(54) Title : USAGE OF AN SDRAM AS STORAGE FOR CORRECTION AND TRACK BUFFERING IN FRONTEND ICS OF OPTICAL RECORDING OF REPRODUCTION DEVICES	(51) International Classification : G11 B 20/00

(71) Name of the Applicant : THOMSON LICENSING S.A.	
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE-BILLANCOURT , FRANCE	
(72) Name of the Inventors : 1. FREISSMANN LOTHAR. 2. KABUTZ MARTEN 3. RUTSCHMANN RICHARD	
(30) Priority Data :	(31) Document No: 92100
	(32) Date : 17.12.1999
	(33) Country : EPO
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to a method and an arrangement for usage of an SDRAM(SDR) as storage for correction and track buffering in fronted ICs of optical recording or reproduction devices, and more particularly to a method and an arrangement for the usage of an SDRAM(SDR) as storage for correction and track buffering in DVD and CD fronted ICs. For this purpose the data to be stored or read are organized in appropriate bursts for accelerating the SDRAM(SDR) traffic.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00592/KOL/A	(22) Date of filing : 02.5.2002
(54) Title : VERBAL CLASSIFICATION SYSTEM FOR THE EFFICIENT SENDING AND RECEIVING OF INFORMATION	(51) International Classification : 606 F 17/30, 15/00

(71) Name of the Applicant : E-CLARITY, INC.	
Address of the Applicant : 9458 VALLE VISTA STREET WINDSOR, CA 95403, USA.	
(72) Name of the Inventors : WRENCH LISA MARIE, WRENCH HARRY KIRKE	
(30) Priority Data :	(31) Document No: 60/163,078
	(32) Date : 02.11.1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A verbal classification system and method for the efficient sending and receiving of desired information is described: Web-site proprietors (314) and Internet marketers provide a host server (320) with descriptive data about their web-site and messages (336) according to a predefined verbal hierarchy; of nouns, verbs and modifiers, and transmits that role (340) to the host server (320), provides the Internet user with desired web-site address (336) and message by matching the role (338) to web-site and message descriptive data (336). The Internet user may access a web-site using one or more roles (340) and the web-site may provide the user with custom content by matching content (338) to the Internet user's role and roles (340). The host server (320) collects role information (340) from Internet users and web-sites to generate marketing and demographics data (346) about Internet users and web-sites (328). Internet user privacy is protected because role data (340) is encrypted and contains no personal identification information (348)

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00593/KOLA	<i>(22) Date of filing :</i> 02.05.2002
<i>(54) Title :</i> USE OF 6-SUBSTITUTED HYPOXANTHINE DERIVATIVES TO STIMULATE REGENERATION OF NERVOUS TISSUE	<i>(51) International Classification :</i> C07E 473/30, A61K 31/522, A 61P 25/28

<i>(71) Name of the Applicant :</i> NEOTHERAPEUTICS INC.	
<i>Address of the Applicant :</i> 157 TECHNOLOGY DRIVE, IRVINE, CA 92618, UNITED STATES OF AMERICA.	
<i>(72) Name of the Inventors :</i> GLASKY ALVIN	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 09/442, 151
	<i>(32) Date :</i> 16.11.1999
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No.</i> filed on	
<i>(62) Divisional to Application no.</i> filed on	

*Abstract : The present invention comprises a method of simulating regeneration or survival of a mammalian motor neuron or of a mammalian sensory neuron comprising administering to a mammal an effective amount of a compound that is a 9-substituted hypoxanthine derivative linked through a linker to p-aminobenzoic acid moiety or of a salt prodrug ester of such a compound. Preferably, the compound is N-4-carboxyphenyl-3-(6-oxohydropurin-9-yl) propanamide. The invention also includes pharmaceutical compositions formulated for stimulation of regeneration of a mammalian motor neuron comprising the 9-substituted hypoxanthine derivative and a pharmaceutically acceptable carrier.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00594/KOLA	(22) Date of filing : 02.05.2002
(54) Title.: METHODS AND APPARATUS FOR COORDINATING CHANNEL ACCESS TO SHARED PARALLEL DATA CHANNELS	(51) International Classification : H04L 12/00

(71) Name of the Applicant : ITT MANUFACTURING ENTERPRISES INC.	
Address of the Applicant : 1105 NORTH MARKET STREET, SUITE 1217, WILMINGTON, DE 19801, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. WHITEHILL, ERIC A. 2. DEMPSEY, TIM	
(30) Priority Data :	(31) Document No: 60/ 163,257
	(32) Date : 03.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A network of nodes communicates using plural. shared parallel data channels and a separate reservation channel. Access to the data channels is coordinated among the nodes by communicating message requests and corresponding replies on the reservation channel. In addition to a primary transmitter/receiver (e.g.. a modem), each node includes a secondary receiver that I permits each node to continuously monitor the reservation channel. When not engaged in a message transfer on one of the dab > channels. the primary receiver monitors the reservation channel. If the primary becomes engaged in a message transfer, the secondary receiver is activated and monitors the reservation channel. Use of the secondary receiver avoids loss of channel access information .resulting from use of a single receiver for both the reservation and data transfer mechanisms. By transmitting requests for access on the reservation channel and continuously monitoring the reservation channel, message collisions are dramatically

PUBLICATION AFTER 18 MONTHS

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00595 /KOLA	(22) Date of filing : 02-05-2002
(54) Title : APPARATUS FOR PRE-TREATMENT AND SUBSEQUENT PLASTIFICATION OR AGGLOMERATION OF SYNTHETIC PLASTIC MATERIALS	(51) International Classification : B 29B 17/00, B 29 C 47/10
(71) Name of the Applicant : BACHER HELMUT, , SCHULZ HELMUTH , AND WENDELIN GEORG	
Address of the Applicant : 17, A-4490, ST. FLORIAN OSTERREICH. BADSTRASSE 20, A-4490, ST. FLORIAN, OSTERREICH. WALDBOTHENWEG 84, A-4033, LINZ, OSTERREICH.	
(72) Name of the Inventors : BACHER HELMUT, SCHULTZ HELMUTH , AND WENDELIN GEORG	
(30) Priority Data :	(31) Document No:A 2033/99
	(32) Date :2.12.1999
	(33) Country : AT
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to device for pretreating and then plastifying or agglomerating plastics, especially thermoplastic refuse for the purpose of recycling. Said device comprises a container (1) with at least one size reduction one size reduction tool (6) rotating therein. The housing (7) of a screw (8) I connected to the container (1) . The diameter D of the container (1) satisfies a relation (I) with respect to the screw diameter d, wherein D is the container inner diameter in millimetres, d is the screw diameter in millimetres and K is a three-dimensional constant that is at least 190. In this manner, the dwelling times of the plastic in the container (1) are brought to optimum values.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00596/KOLA</i>	<i>(22) Date of filing : 03.05.2002</i>
<i>(54) Title : METHOD FOR PROVIDING IP TELEPHONY WITH QoS USING END-TO-END RSVP SIGNALING</i>	<i>(51) International Classification : H04M</i>

<i>(71) Name of the Applicant : MCI WORLDCOM INC.</i>	
<i>Address of the Applicant : 515 EAST AMITE STREET, JACKSON, MI 19201, UNITED STATES OF AMERICA.</i>	
<i>(72) Name of the Inventors : DONOVAN, STEVEN R.</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No. 60/163,913 AND 09/436, 794</i>
	<i>(32) Date : 05.11.1999 AND 08.11.1999</i>
	<i>(33) Country : UNITED STATES OF AMERICA.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : The present invention discloses a method whereby the separate protocols; session initiation protocol SIP, resource reservation protocol RSVP, common open policy service COPS, and open settlement protocol OSP are used together to setup, maintain and teardown internet communication having an acceptable QoS. This process is accomplished by dynamically establishing RSVP policy based on SIP telephony request to provide IP communications with QoS across the Internet.*

PUBLICATION AFTER 18 MONTHS

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00597/KOLA	(22) Date of filing : 03.05.2002
(54) Title : COMBINING INTERNET PROTOCOLS FOR SESSION SETUP, TEARDOWN, AUTHENTICATION, AUTHORIZATION, AND ACCOUNTING USING THE DIFFERENTIATED SERVICES MODEL	(51) International Classification : G06F 17/60, 17/00

(71) Name of the Applicant : MCI WORLDCOM, INC.	
Address of the Applicant : 515 EAST AMITE STREET, JACKSON, MS3 19201, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : DONG, JIN, STEVEN R.	
(30) Priority Data :	(31) Document No. : 163,913 AND 09/435, 540
	(32) Date : 05.11.1999 AND 08.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A method for combining Internet protocols in a Differentiated services model environment is described. The session Initiation Protocol (SIP) and Common Open Policy Service (COPS) are combined together to provide methods of setting up a session (1) thorization, and Accounting (AAA) policies (2). The open settlement policy (OSP) is also combined with SIP and COPS. This combination provides for an interchange of parameters between session setup, teardown, authorization, policy, Quality of Service (Qos), and usage reporting.*



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00558A	<i>(22) Date of filing :</i> 03.05.2002
<i>(54) Title :</i> METHOD FOR PROVIDING IP TELEPHONY WITH QoS USING END-TO-END RSVP SIGNALING	<i>(51) International Classification :</i> H04B 1/14, 1/16

<i>(71) Name of the Applicant :</i> MCI WORLDCOM, INC	
<i>Address of the Applicant :</i> 515 EAST AMITE STREET, JACKSON, MS3 19201, UNITED STATES OF AMERICA	
<i>(72) Name of the Inventors :</i> DONOVAN, STEVEN R.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/163,913, 09436, 794 AND 09/586, 203
	<i>(32) Date :</i> 05.11.1999, 08.11.1999 AND 02.06.2000
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : This invention relates to the field of Internet protocol communications. More particularly, this invention is a method for setting up, authorizing, maintaining, and terminating an IP telephony session with quality of service across the Internet by combining session initiation protocol, resource reservation protocol, common open policy service, and open settlement protocol. The method of this invention allows an IP telephony session to benefit from all these protocols. With reference to the fig. an embodiment of this invention involves an SIT client (115, 130, 135, 136) that uses SIP and RSVP; SIP proxy server (150, 151) that use SIP and COPS; policy server (140, 141, 142) that use COPS and CSP. a cleaning house server (180) that uses OSP; and several routers that uses RSVP and COPS (e.g. 160, 161, 170)*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00599/KOLA	(22) Date of filing : 03.05.2002
(54) Title : METHOD FOR ELECTROCHEMICALLY REDUCING REDUCIBLE DYES.	(51) International Classification : C25B 3/00

(71) Name of the Applicant : DYSTAR TEXTILFARBEN GMBH.& CO. DEUTSCHLAND KG	
Address of the Applicant : ESCHENHEIMER TOR 2. 60318 FRANKFURT AM MAIN, GERMANY.	
(72) Name of the Inventors : 1. MERK CLAUDIA.      2.    BOTZEM, JORG. 3. HUBER, GUNTHER      4.    GRUND, NORBERT.	
(30) Priority Data :	(31) Document No: 199 62 155.1
	(32) Date            : 22.12.1999
	(33) Country       : GERMANY.
(61) Patent of addition to Application No.    filed on	
(62) Divisional to Application no.            filed on	

*Abstract : A process for an electrochemical reduction of a reducible dye by contact said reducible dye with a cathode comprising a support of an electrically conductive material and an electrically conductive, cathodically polarized layer formed thereon in situ by alleviation comprises conducting said electrochemical reduction in the presence of a base.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00600/KOLA	(22) Date of filing : 03.05.2002
(54) Title : REACTIVE DYE MIXTURES	(51) International Classification : C09B 67/22

(71) Name of the Applicant : *DYSTAR TEXTILFARBEN GMBH & CO. DEUTSCHLAND KG.*

Address of the Applicant : *ESCHENHEIMER TOR 2. 60318 FRANKFURT MAIN, GERMANY.*

(72) Name of the Inventors : 1. *BRENNAN, COLIN.* 2. *PATSCH MANFRED.*

(30) Priority Data : (31) Document No: 19962 228

(32) Date : 22.12.1999

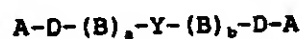
(33) Country : GERMANY

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

*Abstract :*

Disclosed is a dye mixture including two or more compounds of the formula I



(I),

where A, D, B and Y are each as defined in the description part. The mixture provides improved levelness and color strength compared to the corresponding individual compounds.

**PUBLICATION AFTER 18 MONTHS**

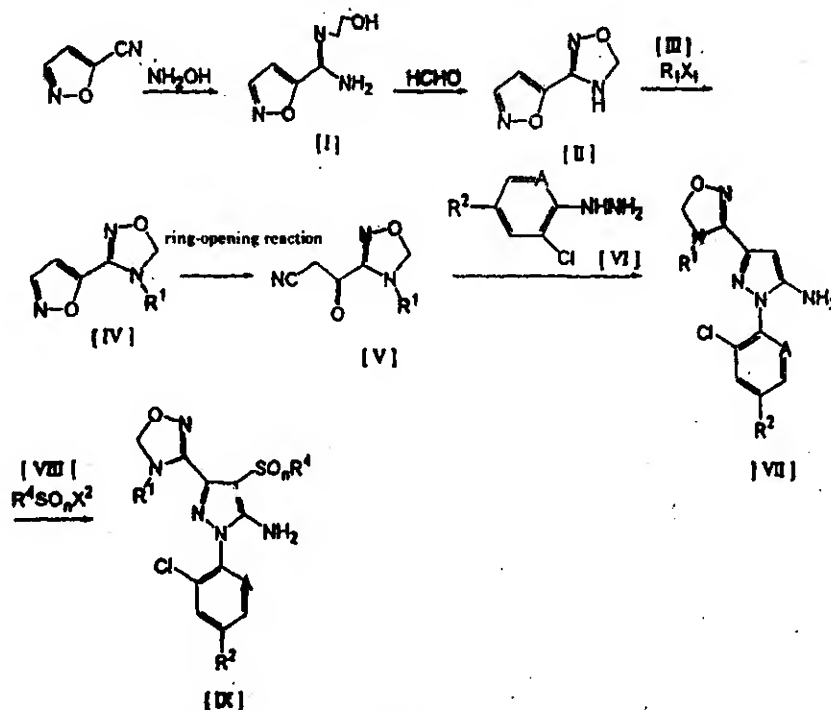
*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00601/KOLA	(22) Date of filing : 03.05.2002
(54) Title : PROCESSES FOR PRODUCTION OF OXADIAZOLINE DERIVATIVES	(51) International Classification : C07D271/06, 261/08, 413/04, 413/14

(71) Name of the Applicant : TAKEDA CHEMICAL INDUSTRIES, LTD, Address of the Applicant : 1-1 DOSHOMACHI 4-CHOME CHUO-KU, OSAKA-SHI, OSAKA-SHI, OSAKA, JAPAN	
(72) Name of the Inventors :	
(30) Priority Data :	(31) Document No: 340606/1999 AND 233264/2000
	(32) Date : 30.11.1999 AND 01.08.2000
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A process as represented by reaction scheme (a) , which permits industrial mass production of  $\nu^2$ -1,2,4-oxadiazoline derivatives having excellent insecticidal effects or salts thereof in high yield with advantage, (wherein  $X^1$  is halogeno;  $r_1$  is optionally substituted alkyl, optionally substituted acyl, or cico;  $r_2$  is (1) halogeno, (2)  $C_{1-6}$  haloalkyl, (3)  $c_{1-6}$  haloalkoxy, or (4) phenyl optionally substituted with  $c_{1-6}$  haloalkyl;  $A$  is nitrogen or  $=CR^3$ - (wherein  $R^3$  is Cl or CN);  $R^4$  is  $c_{1-6}$  alkyl or  $c_{1-6}$  haloalkyl;  $n$  is 0 1 or 2; and  $X^2$  is halogeno]*

A process as represented by reaction scheme:



- 5 which permits industrial mass production of  $\Delta^2$ -1,2,4-oxadiazoline derivatives having excellent insecticidal effects or salts thereof in high yield with advantage, [wherein  $\text{X}^1$  is halogeno;  $\text{R}^1$  is optionally substituted alkyl, optionally substituted acyl, or  $\text{ClCO}$ ;  $\text{R}^2$  is (1) halogeno,
- 10 (2)  $\text{C}_{1-6}$  haloalkyl, (3)  $\text{C}_{1-6}$  haloalkoxy, or (4) phenyl optionally substituted with  $\text{C}_{1-6}$  haloalkyl; A is nitrogen or  $=\text{CR}^3$  (wherein  $\text{R}^3$  is Cl or CN);  $\text{R}^4$  is  $\text{C}_{1-6}$  alkyl or  $\text{C}_{1-6}$  haloalkyl; n is 0, 1 or 2; and  $\text{X}^2$  is halogeno].

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00602/KOL/A	(22) Date of filing : 03.5.2002
(54) Title : CORIOLIS MASS FLOW CONTROLLER	(51) International Classification : G01F 1/00

(71) Name of the Applicant : MICRO MOTION INC	
Address of the Applicant : 7070 WINCHESS'IR CIRCLE, BOULDER, CO 80301, USA.	
(72) Name of the Inventors : BARGER MICHAEL, J. ; BILLE JOSEPH, C; WHITELEY JEFFREY, L. ; SCOTT TIMOTHY, W.	
(30) Priority Data :	(31) Document No: 09/430,881
	(32) Date : 01.11.1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A capacitive pick off sensor for a mass flow measurement device is disclosed. The mass flow measurement device includes a flow sensor tube and a drive device for vibrating the flow sensor tube. The capacitive pick off sensor includes at least one conductive plate connectable to a first voltage potential and adapted to be situated adjacent the flow sensor tube which is connected to a second voltage potential. The conductive plate is positioned relative to the flow sensor tube so as to define a gap there between. The capacitance between the conductive plate and the flow sensor tube varies due to the relative motion of the conductive plate and the flow sensor tube when the flow sensor tube is vibrated. In other aspects of the present invention the flow sensor tube is situated in a housing and the drive device is positioned outside the housing for vibrating the flow sensor tube.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00603/ /KOLA		(22) Date of filing : 03-05-2002
(54) Title : DVD-ROM BACKWARDS COMPATIBLE DEFECTIVE SECTOR MANAGEMENT IN RECORDABLE DVD MEDIA		(51) International Classification : G 11 B 20/18, 27/30, 27/32
(71) Name of the Applicant : THOMSON LICENSING S.A		
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE		
(72) Name of the Inventors : LIN, SHU		
(30) Priority Data :	(31) Document No: 60/164,806	
	(32) Date : 10.11.1999.	
	(33) Country : UNITED STATES OF AMERICA.	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**Abstract :** A method for DVD-ROM backwards-compatible defective sector management in recordable DVD media can include the following steps. Initially, a first block of logically contiguous sectors can be allocated in which indivisible data can be written to the recordable DVD media. In particular, the allocation step can occur prior to or during a write process. Additionally, the allocation step can occur as part of the write process. In any case, a defective sector can be detected and located in the first block of sectors. Notably, in the preferred embodiment, the step of detecting and locating can include consulting a 'defect' list in the recordable DVD media. In particular, the defect list can contain a list of sectors determined to be defective. Finally, responsive to detecting and locating the defective sector, the indivisible data can be shifted from the first block to a second block of logically contiguous sectors in the recordable DVD media. Significantly, in accordance with the inventive arrangements, the second block does not contain the defective sector.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00604 /KOLA	<i>(22) Date of filing :</i> 03-05-2002
<i>(54) Title :</i> COMMERCIAL SKIP AND CHAPTER DELINEATION FEATURE ON RECORDABLE MEDIA	<i>(51) International Classification :</i> G11 B 27/00

<i>(71) Name of the Applicant :</i> THOMSON LICENSING S.A	
<i>Address of the Applicant :</i> 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE	
<i>(72) Name of the Inventors :</i> CHRISTOPHER LAUREN ANN	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/164,791
	<i>(32) Date :</i> 10.11.199
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** A method and apparatus for controlling an MPEG video media recording device to automatically identify and selectively skip segments of a video signal, such as commercial advertisements, during a recording session. During an MPEG video data recording session the system continuously monitors the video data being recorded to detect a scene change occurring over one or more image fields. In response to a detected scene change, the system stores in a file a time and record location on the media corresponding to the occurrence of the scene change. Depending upon the time interval between several of the detected scene changes, the system identifies a corresponding video segment as either a commercial advertisement or a chapter boundary. By identifying the segments in this way, the playback presentation can then be selectively controlled.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00605 /KOLA	(22) Date of filing : 03-05-2002
(54) Title : DVD RECORDER PAUSE FEATURE UTILIZING VARIABLE READ RATE	(51) International Classification : H04N 5/76,

(71) Name of the Applicant : THOMSON LICENSING S.A	
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE	
(72) Name of the Inventors : WILLIS, DONALD HENRY	
(30) Priority Data :	(31) Document No: 60/164, 791
	(32) Date : 10.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A method and apparatus for pausing a video presentation in a recordable disc medium device is provided wherein the recordable disc medium device utilizes its capability to read data at a variable rate to increase the overall average bit rate. The disc medium device can record the video presentation on the disc medium at a selected location and can periodically interrupt this recording to read from the disc medium a portion of the recorded video presentation. Additionally, the recordable disc medium device can vary the rotational speed of the disc medium to enable the disc medium device to alternate between reading and recording. While the speed of the disc medium is varying, the recordable disc medium device can read recorded data at a variable bit rate. This process increases the overall average bit rate thus enabling the disc medium device to playback and record the video presentation seamlessly.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00606/KOL/A	(22) Date of filing : 03.5.2002
(54) Title : FAULT CURRENT AND DIFFERENTIAL CURRENT DETECTION SYSTEM CAPABLE OF PREVENTING SPURIOUS TRIGGERING OF A PROTECTION SYSTEM DUE TO TRANSIENT INTERFERENCE PULSES	(51) International Classification : H 02H 1/04, 3/33

(71) Name of the Applicant : SIEMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHERPLATZ 2, 80333 MUNCHEN, GERMANY.	
(72) Name of the Inventors : GIES STEFAN. ; SCHMIDT, REINHARD.	
(30) Priority Data :	(31) Document No: 09/589,802
	(32) Date : 09.6.2000
	(33) Country : US
(61) Division of application to Application No.	filed on
(62) Division of application no.	filed on

**Abstract :**

A fault or differential current detection system is provided. The detection system detects a fault or differential current generated on a conductive path supplying power to an electric device and prevents the fault or differential current from being supplied to the electric device. The detection system comprises a detector, a switch, and a controller. The detector detects a detected current generated on the conductive path and outputs a corresponding detection signal. The controller inputs the detection signal and determines if the detected current is greater than or equal to a first predetermined current threshold based on the detection signal. Then, the controller refrains from outputting a control signal to the switch for a predetermined delay period after the detected current becomes greater than or equal to the first predetermined current threshold. Then, the controller determines if the detected current is greater than or equal to a second predetermined current threshold when the predetermined delay period is over. After the detected current becomes greater than or equal to the second predetermined current threshold, the controller determines if the detected current is a fault or differential current. When the detected current is a fault or differential current, the controller outputs the control signal to the switch to instruct the switch to isolate the fault or differential current from the electric device. A software program executed by the controller is also provided.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00607/KOL/A	(22) Date of filing : 03.5.2002
(54) Title : VISUAL AID IN THE FORM OF TELESCOPIC SPECTACLES WITH AN AUTOMATIC FOCUSSING DEVICE	(51) International Classification : G 02B 25/00, 21/20 27/01 G 02C 7/08

(71) Name of the Applicant : LIFE OPTICS GMBH	
Address of the Applicant : SEEBOCKGASSE 59, A-1160 WIEN, AUSTRIA.	
(72) Name of the Inventors : OFNER GERALD ANTON	
(30) Priority Data :	(31) Document No: A 1994/99 ; A 2016/99
	(32) Date : 24.11.1999 ; 30.11.1999
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract of the object :** The invention relates to a visual aid in the form of telescopic spectacles with two lens systems, each of which comprises at least one objective (70) and one ocular (71). An automatic focussing device that modifies the focal length of the lens systems in order to focus the same according to the distance from the telescopic spectacles to the object is allocated to the lens systems. A device for modifying the enlargement factor by modifying the focal length (zoom) and a device for adapting the parallax between the lens systems of the visual aid to the focal length that is adjusted according to the distance of the telescopic spectacles from the object are also allocated to the lens systems. The parallax is adapted with adjustable optical elements (11) which are provided in the beam path of the lens systems and with which it is possible to alter the angle (13) between the beam paths (14) extending from the lens systems (1) to the object.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00608/KOLA	(22) Date of filing : 06-05-200
(54) Title : A METHOD FOR RETROFITTING A DRAFTING UNIT-ROLLER	(51) International Classification : B21D 3/14, B21D 1/02

(71) Name of the Applicant : MASCHINENFABRIK RIETER AG	
Address of the Applicant : KLOSTERSTRASSE 20, CH- 8406 WINTERTHUR, SCHWEIZ, SWITZERLAND	
(72) Name of the Inventors : 1. HUBER KARLHEINZ. 2. STAHLCKER HANS	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A method is described in which, by means of retrofitting the drafting unit roller stands, a ring spinning machine can be equipped with condensing devices arranged downstream of the drafting units. The drafting unit roller stands to be retrofitted are provided in transport direction of the fibre strands to be drafted with bearing supports arranged one behind the other, each of which has a semi-circular recess for a bearing of a drafting unit bottom cylinder. In order to carry out the retrofit, the bearing is removed from the bearing support furthest downstream in transport direction of the fibre strand and replaced by a fitting piece which fits into the now empty recess. This fitting piece serves to take up a stationary suction channel of a condensing device. An additional bearing support in the drafting unit roller stand is added in transport direction of the fibre strand upstream of the first bearing support. The individual drafting bottom cylinders can hereby be displaced upstream while the free bearing support serves the subsequent assembly of a

condensing device. In order to place the respective pressure rollers to the relevant drafting bottom cylinders, the top weighting arm can also, by means of the application of a suitable support, be subsequently set back.

### **PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00609/KOLA }</i>	<i>(22) Date of filing : 06.05.2002</i>
<i>(54) Title : MICROPROCESSOR ARRANGEMENT WITH ENCRYPTION</i>	<i>(51) International Classification : G06F 12/14</i>

<i>(71) Name of the Applicant : IN FINEON TECHNOLOGIES AG</i>	
<i>Address of the Applicant : ST. MARTIN-STR, 53, 81669, MUNCHEN, GERMANY</i>	
<i>(72) Name of the Inventors : 1. GAMMEL BERNDT. 2. KINIFFLER OLIVER. 3. SEDLAK HOLGER</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 99124134.0</i>
	<i>(32) Date :02.12.1999</i>
	<i>(33) Country :EPO</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

Abstract.

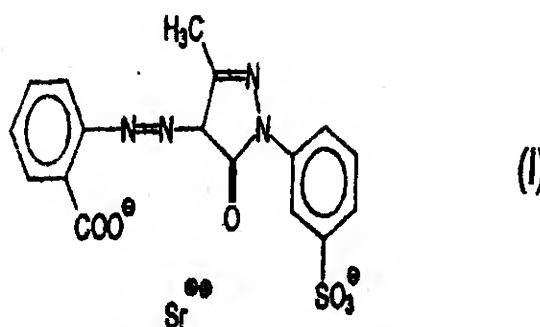
**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00610 /KOLA	(22) Date of filing : 06-05-2002
(54) Title : HIGH STRENGTH MONOAZO YELLOW PIGMENT	(51) International Classification : C09B 63/00, 67/22

(71) Name of the Applicant : ENGELHARD CORPORATION	
Address of the Applicant : 101 WOOD AVENUE, PO BOX 101 ISELIN, NJ 08830-770, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : BINDRA, AMRIT P.	
(30) Priority Data :	(31) Document No: 09/439, 738
	(32) Date : 15.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

Abstract :



(7) Abstract: Disclosed is a yellow monoazo pigment which is obtained by diazotization of anthranilic acid, coupling of the diazonium compound with 1-(3'-sulphophenyl)-3-methyl-5-pyrazolone and subsequent laking of the coupling product to a strontium salt. The pigment is characterized by formula (I). The new pigment has excellent heat stability and bleed fastness and very high color strength. It is suitable for pigmentation of plastics, inks and coatings, and particularly suitable for pigmentation of plastics.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00611/KOLAH	(22) Date of filing : 06/05/2002
(54) Title : METHOD AND SYSTEM FOR DYNAMIC GTEWAY SELECTION IN AN IP TELEPHONY NETWORK	(51) International Classification : H 04 L 12/66, 12/12, 12/26, 12/64

(71) Name of the Applicant : MCI WORLDCOM INC.,	
Address of the Applicant : 515 EAST AMITE STREET, JACKSON, MI 39201, USA.	
(72) Name of the Inventors : 1. DONOVAN STEVEN R, 2. GALLANT JOHN K.	
(30) Priority Data :	(31) Document No: 09/436,796
	(32) Date : 08/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) Abstract : A method and system for dynamically selecting a destination gateway to complete call over a path supported at least in part by an IP telephony network and a public switched telephone network. The method and system further provide for dynamically detecting available gateways, dynamically removing failed and/or unavailable gateways, and automatically recovering failed and/or unavailable gateways after a predetermined period of time. A method is also provided for detecting a available destination gateways using a ping method, where a message is transmitted to a plurality of destination gateways on a one by one basis to ascertain the availability status of each destination gateway.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00612 <u>KOLA</u> 4.	(22) Date of filing : 06/05/2002
(54) Title : METHOD FOR FABRICATING VEHICLE COMPONENTS AND NEW USE OF A PRECIPITATION HARDENABLE MARTENSITIC STAINLESS STEEL.	(51) International Classification : C 22 C 38/50, C 21 D 6/02

(71) Name of the Applicant : SANDVIK AB., (PUBL)	
Address of the Applicant : S-811 81 SANDVIKEN, SWEDEN.	
(72) Name of the Inventors : 1. NYSTROM, ANNA-LENA, 2. HULTIN, STIGENBERG, ANNA	
(30) Priority Data :	(31) Document No: 9904182-4
	(32) Date : 17/11/1999
	(33) Country : SE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A composition and method for the manufacture of product of a precipitation hardenable martensitic stainless steel, the composition of which comprises at least 0.5 % by weight of Cr and at least 0.5 % by weight of Mo wherein the sum of Cr, Ni > and Fe exceeds 50 %. The method steps include smelting the material into a casting, hot extrusion followed by a number of cold , deforming steps so as to obtain at least 50% martensite and finally an ageing treatment at 425-525 °C to obtain precipitation of quasicrystalline particles. Such material can be used in vehicle components where demands for corrosion resistance, high strength and good toughness are to be satisfied.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00613/KOLA	(22) Date of filing : 06/05/2002
(54) Title : COMPOSITIONS AND METHODS FOR MODULATION OF PLANT CELL DIVISION.	(51) International Classification : A 01 H 1/00, 5/00, C 07 H 21/04, C12 N 5/04, 5/10, 5/00, 15/09, 15/63, 15/70, 15/74, 15/82, 15/87.

(71) Name of the Applicant : UNIVERSITY OF WASHINGTON.	
Address of the Applicant : 1107 NE 45 <sup>TH</sup> STREET, SUITE 200, SEATTLE, WA 98105-4631 U.S. A.	
(72) Name of the Inventors : 1. SLADE ANN, 2. MADISEN LINDA , 3. COMAI LUCA.	
(30) Priority Data :	(31) Document No: 60/164,587
	(32) Date : 10/11/1999
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) Abstract : The present invention provides compositions and methods for modulating cell division in plants. In particular, the present invention provides polynucleotides that encode REVOLUTA. In addition, REVOLUTA vectors and transformed plants are provided wherein plant cell division is modulated by expression of a REVOLUTA transgene as compared to a control population of untransformed plants. The present invention also provides methods for the isolation and identification of REVOLUTA genes from higher plants.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00614, KOLA.	(22) Date of filing : 07/05/2002
(54) Title : MICROWAVE PACKAGING HAVING PATTERNED ADHESIVE AND METHODS	(51) International Classification : H 05 B 6/80, B 65 D 81/34

(71) Name of the Applicant : CONAGRA, INC.,	
Address of the Applicant : 7700 FRANCE AVENUE S., SUITE 200, EDINA, MINNESOTA 55435, U.S.A.	
(72) Name of the Inventors : HANSON DENISE E.	
(30) Priority Data :	(31) Document No: 60/166,480
	(32) Date : 19/11/1999
	(33) Country : U.S.A.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) Abstract : A microwave popcorn package (1) has an inner ply (46) and an outer ply (47) of flexible material, such as paper, with a microwave interactive construction (45) therebetween. The plies (46,47) are bonded together with a laminating adhesive that is applied in a regular pattern of polygonal adhesive areas. This pattern occupies at least 80 square inches (516 cm<sup>2</sup>) of the surface between the plies (46,47), and provides no more than 50% adhesive coverage of that area where the pattern is located. The adhesive polygons can be squares or diamonds. A second adhesive pattern can be present in a second portion of the ply surface.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00615/KOLA 9.	(22) Date of filing : 07/05/2002
(54) Title : DEEP DRAW LAMP MOUNT.	(51) International Classification : H 01 K 1/18

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY.	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345, U.S.A.	
(72) Name of the Inventors : WATTLERS, WILLIAM R.,	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) Abstract : A lamp mount 10 for mounting a light emitting tube 12 to a lamp base 14 is disclosed that comprises a tube 16 having first and second ends 18, 20. The first tube end 18 includes first and second tube engagement wall portions 22a, 22b spaced apart by interconnecting wall portions 24. The interconnecting wall portions 24 are configured such that an application of pressure to the interconnecting wall portions 24 causes the first and second tube engagement wall portions 22a, 22b to move with respect to one another. The relative movement of the first and second tube engagement wall portions facilitates connection of the light emitting tube to the first end of the lamp mount. The second end 20 of the tube is adapted for connection to the lamp base 14.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00616. KOLA		(22) Date of filing : 07/05/2002
(54) Title : METHOD FOR PRODUCING PIG IRON.		(51) International Classification : C 21 B 13/14
(71) Name of the Applicant : VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH & CO.,.		
Address of the Applicant : TURMSTRASSE 44, A-4031 LINZ/AUSTRIA.		
(72) Name of the Inventors : VULETIC, BOGDAN.		
(30) Priority Data :	(31) Document No: 199 63 609.5	
	(32) Date : 23/12/1999	
	(33) Country : DE	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**(57) Abstract :**

The invention relates to a method for producing pig iron. Iron ore is reduced in a reduction shaft (1) for forming sponge iron which is subsequently introduced into the head of a melt-down gasifier (3). The sponge iron is melt open in said gasifier by means of a gasifying means that is also introduced into the head of the melt-down gasifier and an oxygen-containing gas and is melt-down to form liquid pig iron, whereby a re-duction gas is produced at the same time. Said reduction gas is discharged from the head of the melt-down gasifier and is supplied to the reduction shaft for reducing the iron oxide. Operation of the melt-down gasifier is controlled in such a way that a reduction gas having a certain composition and being present in a certain amount is produced so that the sponge iron that is introduced into the melt-down gasifier is provided with a high metallisation degree. Operation of the melt-down gasifier is also controlled by introducing iron oxide therein. The metallisation degree of all the iron carriers which are introduced into the melt-down gasifier is reduced in relation to the metallisation degree of the sponge iron and by means of said iron oxide.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00617/KOLA	(22) Date of filing : 07/05/2002
(54) Title : HIGH TENSILE STRENGTH HOT-DIPPED STEEL SHEET AND METHOD OF PRODUCING THE SAME.	(51) International Classification : C 21 D 9/46, C 23 C 2/02, C 22 C 38/98

(71) Name of the Applicant : KAWASAKI STEEL CORPORATION.

Address of the Applicant : 1-28, KITAHONMACHIDORI 1-CHOME, CHUO-KU, KOBE-SHI, HYOGO 651-0075, JAPAN.

(72) Name of the Inventors : 1. ISHII, KAZUhide, 2. KYONO, KAZUAKI, 3. KATO, CHIAKI 4. MOCHIZUKI, KAZUO.

(30) Priority Data : (31) Document No: 2000-276524, 2000-301514

(32) Date : 12/09/2000, 29/09/2000

(33) Country : JP

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

***(57) Abstract :***

As to a steel composition, in this invention, Si content is regulated to a given range and Nb and Cu or Ni, Mo are compositively added, and a recrystallization annealing is carried out to form an internal oxide layer just beneath a surface of a steel sheet and a surface oxide simultaneously formed on the surface of the steel sheet is removed by pickling. As a result, the formation of oxides of Si, Mn and the like is considerably decreased on the surface of the steel sheet in a subsequent heating before plating because the above internal oxide layer acts as a diffusion barrier.

Thus, according to the invention, there can be obtained high tensile strength hot-dipped steel sheets having a considerably excellent plating property.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00618 (KOLA)		(22) Date of filing : 07/05/2002
(54) Title : ELASTIC COMPOSITE STRUCTURE.		(51) International Classification : B 32 B 25/10, 5/08, 27/12
(71) Name of the Applicant : OY OMS OPTOMEDICAL SYSTEMS LTD.,		
Address of the Applicant : MATA LASALMENKUJA 1, FIN-00150 HELSINKI, FINLAND.		
(72) Name of the Inventors : 1. HATJASALO, LEO. 2. RINKO, KARI.		
(30) Priority Data :	(31) Document No: 19992367	
	(32) Date : 03/11/1999	
	(33) Country : FI	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

(57) **Abstract** : The invention relates to an elastic composite structure, which is intended for use as a flexible, pliable and thin film structure in the manufacture of a 2- or 3-dimensional product, particularly for providing mechanical protection against cutting, puncturing and/or the like. The composite structure comprises firstly an elastomer system (1), which is constituted by at least one PUR- (polyurethane resin), PUD- (polyurethane dispersion), SI- (silicone) based elastomer material and/or the like, and secondly by a mechanically durable reinforcer system (2), such as a fabric, weave or knit structure (2a) made from one or more flexible hybrid yarns, an oriented flake reinforcement structure (2c) made from laminated flakes (y), and/or the like. The invention relates also to an elastic composite structure, which is intended for the above application and which comprises a reinforcement system (2) for reinforcing the same mechanically against cutting, puncturing and/or the like. In this respect, the composite structure's reinforcement system (2) is manufactured as a flake reinforcement composition, consisting of hard organic and/or inorganic components (y) and comprising at least one co-laminated hard polymer layer and an elastomer matrix (2; 2b) applied integrally in contact therewith.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00619/KOLA	(22) Date of filing : 07/05/2002
(54) Title : CONNECTING CABLE WITH AN ELECTRICAL PLUG CONNECTION.	(51) International Classification : H 01 R 24/04

(71) Name of the Applicant : KRONE GMBH.	
Address of the Applicant: BEESKOWDAMM 3-11, 14167 BERLIN, GERMANY.	
(72) Name of the Inventors : 1. GWIAZDOWSKI MICHAEL, 2. MOSSNER FRANK.	
(30) Priority Data :	(31) Document No: 199 59 823.1
	(32) Date : 10/12/1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) **Abstract** : The invention relates to a connecting cable (10) comprising a cable (10) with four conductor pairs (1, 2; 3, 6; 4, 5; 7, 8) which are routed in pairs in a defined manner in the cable (10), with an identical electrical plug connection being arranged at both ends of the cable (10), with a cable manager (11, 17) having guides (21-28; 31-38) for the conductors (1-8) being arranged at each of the two cable ends for fixing and defined guidance, in which guides the conductors (1-8) of the cable (10) are routed to the electrical contacts (41-48), with the cable managers (11, 17) each having a top face (16), a bottom face (15, 19), a rear face (12, 20) and an end surface (13, 18), and with the guides (21, 22, 27, 28; 31, 32, 37, 38) of the conductors (1, 2, 7, 8) which are associated with the two outer contact pairs (41, 42, 47, 48) being formed on the sides of the cable managers (11, 17) at right angles to the end surfaces (13, 18) of the cable managers (11, 17), and, from the rear face (12) to the end surface (13) in the first cable manager (11), a first inner conductor pair (3, 6) is routed from the top face (16) and a second inner conductor pair (4, 5) is routed from the bottom face (15) into a connecting plane, without crossing, and, from the rear face (20) to the end surface (18) in the second cable manager (17), the first inner conductor pair (3, 6) is routed from the bottom face (19) and the second inner conductor pair (4, 5) is routed from the top face (16) into the connecting plane, without crossing.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00620 (KOLAH)	(22) Date of filing : 07/05/2002
(54) Title : SIP-BASED FEATURE CONTROL.	(51) International Classification : G 06 F

(71) Name of the Applicant : MCI-WORLDCOM, INC.,	
Address of the Applicant: 515 EAST AMITE STREET, JACKSON, MS 39201, U.S.A.	
(72) Name of the Inventors : 1. DONOVAN, STEVEN, R., 2. DEVANATHAN, RAGHAVAN.	
(30) Priority Data :	(31) Document No: 09/436,793
	(32) Date : 08/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

(57) *Abstract* : A system and method for providing an addition to the Session Initiation Protocol is disclosed. The addition is a new field header, preferably entitled "Feature", that is added to the REGISTER message. This field would contain control information for various feature services, like the Do Not Disturb feature and other services provided by traditional PBX systems.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00621/KOLAI	(22) Date of filing : 07/05/2002
(54) Title : INTERNET PROTOCOL TELEPHONY VOICE/VIDEO MESSAGE DEPOSIT AND RETRIEVAL	(51) International Classification : H04L 12/58, 12/66

(71) Name of the Applicant : AT&T WORLD COM, INC.	
Address of the Applicant : 515 EAST ALBEMARLE STREET, JACKSON, MS 39201, USA.	
(72) Name of the Inventors : DONOVAN, STEVEN R.	
(30) Priority Data :	(31) Document No: 09/436,795
	(32) Date : 08/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A method for signaling an Integrated Messaging System (IMS) on an Internet Protocol (IP) based network to deposit a message, including the steps of sending a Session Initiation Protocol (SIP) INVITE request to the IMS indicating a message deposit action; receiving a corresponding SIP message from the IMS agreeing to participate in the message deposit action; and sending an SIP acknowledge message to the IMS confirming receipt of the corresponding SIP message; and depositing the message in a destination mailbox. A method of signaling an IMS on an IP based network to retrieve a deposited message, the method including the steps of sending a SIP INVITE request to the IMS indicating a message retrieval action; receiving a corresponding SIP message from the IMS agreeing to participate in the message retrieval action; sending an SIP acknowledge message to the IMS confirming receipt of the corresponding SIP message; and retrieving the deposited message from a mailbox corresponding to known account information.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002 .*

Application No. IN/PCT/2002/00622 /KOLA	(22) Date of filing : 07/05/2002
(54) Title : METHOD FOR PROVIDING PREPAID TELEPHONY SERVICE VIA AN INTERNET PROTOCOL NETWORK SYSTEM	(51) International Classification : H04M 17/00

(71) Name of the Applicant : MCI WORLDCOM, INC.	
Address of the Applicant : 515 EAST AMITE STREET, JACKSON, MI 39201, USA.	
(72) Name of the Inventors : DONOVAN, STEVEN, R.	
(30) Priority Data :	(31) Document No: 09/436,294
	(32) Date : 08/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Methods are disclosed for providing prepaid telephony service via an Internet protocol (IP) network system (300, 500). A first method provides controlling at least one media agent (304) or call routing station/switch (310, 312) of an IP network system (300) for allowing and/or blocking call media streams from traversing through the media agent. A second method provides directing all signaling messages transmitted by a signaling agent (502) or station (510, 512) and all media packets transmitting voice and data communications through at least one common device within the IP network system (500). The methods further provide for continuously monitoring a subscriber's account balance and terminating the prepaid telephony service if the account balance is less than a predetermined amount.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00623 /KOLA	(22) Date of filing : 08/05/2002
(54) Title : ARYLOXY PROPANOLAMINES FOR IMPROVING LIVESTOCK PRODUCTION	(51) International Classification : C07D 401/12, 209/32, 209/42; A61K 31/44, 31/40, C07D 401/12, 231:00, 213:00 ; C07D 401/12, 233:00, 213:00 C07D 401/12, 213:00, 209:00

(71) Name of the Applicant : ELI LILLY AND COMPANY.	
Address of the Applicant : LILLY CORPORATE CENTER, INDIANAPOLIS, IN 46285, USA.	
(72) Name of the Inventors : HOPKINS RANDALL BRUCE, HANCOCK DEANA LORI, QUIMBY MICHAEL EUGENE, ROTHHAAR ROGER RYAN, WERNER JOHN ARNOLD.	
(30) Priority Data :	(31) Document No: 60/165,460
	(32) Date : 15/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : Disclosed is a compound represented by structural formula (I); R<sup>1</sup> is a substituted or unsubstituted aryl group. R<sup>1</sup> and R<sup>3</sup> are independently -H, a C<sub>1</sub>-C<sub>4</sub> straight chained or branched alkyl group. R<sup>4</sup> and R<sup>5</sup> are independently -H, a C<sub>1</sub>-C<sub>4</sub> straight chained or branched alkyl group or taken together with the nitrogen atom to which each is bonded, a non-aromatic heterocyclic ring. Ring A and Ring B are independently further substituted with zero, one or two substituents. Physiologically acceptable salts of structural formula shown above are also included. Also disclosed is a method promoting growth, efficiency of feed utilization and/or production of lean body mass in a livestock animal. The method comprises administering to the animal an effective amount of one or more compounds represented by the structural formula as shown or a physiologically acceptable salt thereof.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00624 KOLA		(22) Date of filing : 08/05/2002
(54) Title : METHOD AND ARRANGEMENT FOR OPERATING A MULTI-STAGE COUNTER IN A COUNTING DIRECTION.		(51) International Classification : G07F 7/10, H03K 21/40
(71) Name of the Applicant : INFINEON TECHNOLOGIES AG.		
Address of the Applicant : ST. MARTIN-STRASSE 53, 81669 MUNCHEN, GERMANY.		
(72) Name of the Inventors : ALLINGER ROBERT, POCKRANDT WOLFGANG.		
(30) Priority Data :	(31) Document No: 99123705.8	
	(32) Date : 29/11/1999	
	(33) Country : EP	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract* : Method and arrangement for operating a multistage counter in one counting direction.

A method for operating a multistage counter in only one counting direction is described, having the following steps: -the counting value of a single-stage auxiliary counter which can be changed in only one counting direction is changed in predetermined counting value states of the multistage counter, -the respective counting value states of the multistage counter and of the single-stage auxiliary counter are registered, -first authenticity data is generated by logically linking the counting value of the auxiliary counter to supplementary data.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00625 KOLA	(22) Date of filing : 08/05/2002
(54) Title : ARRANGEMENT IN A SPINNING MACHINE FOR CONDENSING A FIBRE STRAND	(51) International Classification : D01H 5/72, 5/86; H01H 1/22

(71) Name of the Applicant : MASCHINENFABRIK RIETER AG.	
Address of the Applicant : KLOSTERSTRASSE 20, CH 8406 WINTERTHUR, SWITZERLAND.	
(72) Name of the Inventors : SCHAFFLER GERNOT.	
(30) Priority Data :	(31) Document No: 100 58 892.1
	(32) Date : 24/11/2000
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A condensing zone for condensing a drafted but still twist free fibre strand is arranged directly downstream of a drafting unit of a spinning machine. The condensing zone comprises an air-permeable transport belt, which transports the fibre strand through the condensing zone. The transport belt is guided hereby on a sliding surface of a suction channel and is tensioned by a deflecting roller. In the sliding surface a suction slit is located which extends essentially in transport direction of the fibre strand. The end of the condensing zone is bordered by a nipping roller, which presses the fibre strand and the transport belt to the sliding surface. The deflecting roller is arranged in the area of the driven bottom roller at the front roller pair of the drafting unit, said deflecting roller forming with the bottom roller a wedge-shaped gap. An intermediary roller is disposed in the wedge-shaped gap at the bottom roller and at the deflecting roller, which intermediary roller drives the transport belt.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act 2002*

<i>Application No.</i> IN/PCT/2002/00626. /KOLA	<i>(22) Date of filing :</i> 08/05/2002
<i>(54) Title :</i> ADENOSINE RECEPTOR ANTAGONISTS AND METHODS OF MAKING AND USING THE SAME	<i>(51) International Classification :</i> C07D 473/00

<i>(71) Name of the Applicant :</i> BIOGEN, INC.	
<i>Address of the Applicant :</i> 14 CAMBRIDGE CENTER, CAMBRIDGE, MA 02142, USA.	
<i>(72) Name of the Inventors :</i> DOWLING JAMES E., ENSINGER CAROL, KUMARAVEL GNANASAM BANDAM, PETTER RUSSELL C.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/165,283
	<i>(32) Date :</i> 12/11/1999
	<i>(33) Country :</i> USA
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** The invention is based on the discovery that compounds of Formula (I), are unexpectedly highly potent and selective inhibitors of the adenosine A<sub>1</sub> receptor. Adenosine A<sub>1</sub> antagonists can be useful in the prevention and/or treatment of numerous diseases, including cardiac and circulatory disorders, degenerative disorders of the central nervous system, respiratory disorders and many diseases for which diuretic treatment is suitable. In one embodiment, the invention features a compound of formula (I).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/627 KOLA</i>	<i>(22) Date of filing : 08/05/2002</i>
<i>(54) Title : HYDRAULIC CONNECTORS</i>	<i>(51) International Classification : F16L 19/075</i>

<i>(71) Name of the Applicant : OYSTERTEC PLC.</i>	
<i>Address of the Applicant : 100 BARBIROOLI SQUARE, MANCHESTER M2 3 AB UK.</i>	
<i>(72) Name of the Inventors : DAVIDSON PAUL</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 9929575.0, 0022062.4</i>
	<i>(32) Date : 15.12.1999, 08.09.2000</i>
	<i>(33) Country : GREAT BRITAIN</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract** : A connector for forming a connection between the tubular end of a first fluid conveying member and a threaded end of a second fluid conveying member as a threaded portion (19, 117) for engagement with a threaded end (112) of a second fluid conveying member. The connector is provided with means (39, 141) for engaging an external circumferentially extending groove (31, 137) located on the tubular end of said first fluid conveying member. Means (23, 133) are provided for effecting sealing engagement with said threaded end of said second fluid conveying member.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00628/KOLA	(22) Date of filing : 08/05/2002
(54) Title : POLYCYCLOALKYLPURINES AS ADENOSINE RECEPTOR ANTAGONISTS.	(51) International Classification : C07D 493/08, 473/06, 453/02; A61K 31/32, A61P 9/00, 25/28 //( C07D 493/08, 311:00, 311:00) (C07D 493/08, 307:00, 307:00, 311:00)

(71) Name of the Applicant : BIOGEN, INC.	
Address of the Applicant : 14 CAMBRIDGE CENTER, CAMBRIDGE, MA 02142, USA.	
(72) Name of the Inventors : KIESMAN WILLIAM F., DOWLING JAMES E., RENSINGER CAROL L., KUMARAVEL GNANASAM BANDAM, PETTER RUSSELL C., CHANG HE XI, LIN KO CHUNG.	
(30) Priority Data :	(31) Document No: 60/165,191
	(32) Date : 12/11/1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : The invention is based on the discovery that compounds of Formula (I) are unexpectedly highly unexpectedly and selective inhibitors of the adenosine A1 receptor. Adenosine A1 antagonists can be useful in the prevention and/or treatment of numerous diseases, including cardiac and circulatory disorders, degenerative disorders of the central nervous system, respiratory disorders, and many diseases for which diuretic treatment is suitable. In one embodiment, the invention features a compound of formula (I).



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/629 KOLA</i>	<i>(22) Date of filing : 09/05/2002</i>
<i>(54) Title : A METHOD AND SYSTEM FOR RELEASING A VOICE RESPONSE UNIT FROM A PROTOCOL SESSION</i>	<i>(51) International Classification : H04L 12/66</i>

<i>(71) Name of the Applicant : MCI WORLDCOM INC.</i>	
<i>Address of the Applicant : 515 EAST AMITE STREET, JACKSON, MS 39201, USA.</i>	
<i>(72) Name of the Inventors : DONOVAN STEVEN R., CANNON MATTHEW, HEARTY JOHN.</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 09/441,438</i>
	<i>(32) Date : 17/11/1999</i>
	<i>(33) Country : US</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract** : An approach for processing voice calls over a packet switched network (105) as to efficiently utilize the functionalities of a Voice Response Unit (VRU) (113). According to one embodiment, a call originator (101), acting as a User Agent Client in accordance with the Session Initiation Protocol (SIP), issues messages to establish a first call-leg with the VRU (113). The VRU (113) performs digit collection to obtain information to authenticate the call originator (101) and to authorize the voice call. Based upon the issued messages from the call originator, the VRU establishes a second call-leg with the call terminator. The VRU is released from the voice call after binding the call-legs to connect the call originator to the terminator (103).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00630 /KOLA		(22) Date of filing : 09/5/2002
(54) Title : METHOD FOR TRACKING DEFECTIVE SECTORS IN RE-WRITABLE DISK MEDIA.		(51) International Classification : G11B 20/18
(71) Name of the Applicant : THOMSON LICENSING S.A.		
Address of the Applicant : FRANCE 46, QUAI ALPHONSE LE GALLO, F-92648 BOULOGNE CEDEX.		
(72) Name of the Inventors : LIN, SHU		
(30) Priority Data :	(31) Document No: 60/164,806	
	(32) Date : 10.11.1999	
	(33) Country : US	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**Abstract :** A method of updating a defect list in a DVD can include processing sectors on the DVD during a playback operation; adding references to selected ones of the processed sectors to a defect candidate list; identifying defective sectors among the selected one of the processed sectors; and, adding references to the identified defective sectors to the defect list. Additionally, the method can include removing from the defect candidate references to each sector for which a corresponding reference has been added to the defect list. The step of adding references to selected one of the processed sectors to a defect candidate list can include detecting an unrecoverable error during the playback operation; identifying a processed sector associated With the unrecoverable error; and, adding a reference to the identified sector to the defect candidate list. Also, the identifying step can include identifying each sector having a reference in both the defect list and the defect candidate list; removing references to the identified sectors from the defect candidate list; and, determining whether each sector remaining in the defect candidate list is a defective sector.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00631/KOLA	<i>(22) Date of filing :</i> 09-05-2002
<i>(54) Title :</i> DELETE AND UNDELETE FOR RECORDABLE DVD EDITING	<i>(51) International Classification :</i> G11B 27/034, 27/32, 20/12, 27/10, H04N 5/783, 5/781, 5/764, 5/85, 9/904

<i>(71) Name of the Applicant :</i> THOMSON LICENSING S.A.	
<i>Address of the Applicant :</i> 46, QUAI ALPHONSE LE GALLO, F 92648, BOULOGNE CEDEX, FRANCE	
<i>(72) Name of the Inventors :</i> 1. LIN SHU.      2. SCHULTZ MARK ALAN.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/ 164, 793 AND 09/606, 897
	<i>(32) Date :</i> 10.11.1999 AND 29.06.2000
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No.    filed on</i>	
<i>(62) Divisional to Application no.                filed on</i>	

**Abstract :** Method and apparatus for editing a recorded series of bits on a rewritable disc media. The method includes the steps of selectively identifying a beginning point and an end point of a segment of the recorded series of bits to be deleted; and modifying a first jump command in a control data portion of the disc. The first jump command is modified for causing playback from the disc to continue at the end point when reading in a forward direction. The method can further include modifying a second jump command in a control data portion of the disc for causing playback from the disc to continue at the beginning point when reading data for playback in a reverse direction.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00632 /KOLA	<i>(22) Date of filing :</i> 09-05-2002
<i>(54) Title :</i> HIGHLY RELIABLE POWER LINE COMMUNICATIONS SYSTEM	<i>(51) International Classification :</i> H04B 1/00, G08B 1/08

<i>(71) Name of the Applicant :</i> INTERLOGIX INC,	
<i>Address of the Applicant :</i> 12345 S.W. LEVENTON DRIVE, TUALATIN OR 97062-9938, UNITED STATES OF AMERICA.	
<i>(72) Name of the Inventors :</i> 1. MANSFIELD AMOS R. 2. MARMAN DOUGAL H.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/165, 553
	<i>(32) Date : 15.11.1999</i>
	<i>(33) Country : UNITED STATES OF AMERICA.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** An electric power line communication system (20) operates with an electric power distribution system to provide through premises power distribution lines (28) highly reliable communication links among receiving devices (26, 32, 40, 46, 68, 112) electrically coupled or located in proximity to the premises power distribution lines. A power line transceiver (22, 30, 34) is designed to transmit and receive through the premises power distribution lines modulated carrier signals conveying information over the communication links. The power line transceiver operates in a transmitter mode as an intentional radiator to emit modulated carrier signals by transmitting them at a frequency band and a power level sufficient to form by electrical conduction a communication link with a modulated carrier signal receiving device.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. <i>IN/PCT/2002/00633</i> KOLA	(22) Date of filing : 10-05-2002
(54) Title : <i>METHOD AND DEVICE FOR SIGNAL TRANSMISSION AVOIDING COLLISION</i>	(51) International Classification : H04L 12/413

(71) Name of the Applicant : <i>VAN DEN BERGH , KAREL MARIA</i>	
Address of the Applicant : <i>KLOOSTERHOEVEWEG 2, B-2811 LEAST (MECHELEN) BELGIUM</i>	
(72) Name of the Inventors : : <i>VAN DEN BERGH , KAREL MARIA</i>	
(30) Priority Data :	(31) Document No: 9900738
	(32) Date : 12.11.1999
	(33) Country : BELGIUM
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : Method for signal transmission, characterized in that use is made of signals (51-52) consisting of at least a first : signal pan (6) and a second signal pan (7). whereby the method consists in transmitting the first signal pan (6) with a first transmission speed, with the aim of preventing disturbances occurring as a result of the simultaneous presence of the several signals (51-52); 1 and subsequently transmitting the pertaining second signal part (7) with a second transmission speed after having obtained. by the transmission of the first signal part (6), the certainty that the second signal part (7) can be transmitted from of at least a number of disturbances.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) A 2002*

Application No. IN/PCT/2002/00634 /KOLA		(22) Date of filing : 10-05-2002
(54) Title : A FACTORY SCALE PROCESS FOR PRODUCING CRYSTALLINE ATORVASTATIN TRIHYDRATE HEMI CALCIUM SALT		(51) International Classification : c07d 207/34
(71) NAME OF THE APPLICANT : <del>WARNER</del> LAMBERT RESEARCH AND DEVELOPMENT IRELAND LIMITED.		
Address of the Applicant : POTTERY ROAD, DUN LAOGHAIRE , COUNTY DUBLIN, IRELAND		
(72) Name of the Inventors : TULLU WILLIAM		
(30) Priority Data :	(31) Document No: PCT/IE99/00132	
	(32) Date :17.12.1999	
	(33) Country :IRELAND	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract :*

A factory scale process for producing crystalline ator-trihydrate hemi calcium salt includes the addition of extra tert-butyl ether to the reaction mixture to supersaturate the sation matrix. A seed slurry is made up in a make-up/deliv-el and delivered, under pressure, to the reaction mixture. The produces crystalline atorvastatin calcium, having structure (I) consistent size range on a factory scale.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00635 /KOLA :-	(22) Date of filing : 10-05-2002
(54) Title : A PROCESS FOR PRODUCING CRYSTALLINE ATORVASTATIN CALCIUM	(51) International Classification : C07D 207/34

(71) Name of the Applicant : *WARNER LAMBERT RESEARCH AND DEVELOPMENT IRELAND LIMITED.*

Address of the Applicant : *POTTERY ROAD, DUN LAOGHAIRE, COUNTY DUBLIN, IRELAND*

(72) Name of the Inventors : 1. *O'CONNELL JOH.* 2. *TULLY WILLIAM* 3. *MADIGAN EVELYN*

(30) Priority Data : (31) Document No: *PCT/IE99/00133*

(32) Date : *17.12.1999*

(33) Country : *IRELAND*

(61) Patent of addition to Application No. *filed on*

(62) Divisional to Application no. *filed on*

*Abstract* : A factory scale process for producing crystalline atorvastatin calcium includes the step of drying the isolated product in a vacuum pan dryer. The vacuum pan dryer has an agitator which is continuously rotated at a speed of approximately 1 rpm. High quality material is routinely and consistently produced with reduced cycle time.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00636/KOL/A	(22) Date of filing : 13.5.2002
(54) Title : METHOD OF SPRAYING LIQUIDS UNDER THE FORM OF FOAM BY MEANS OF DEFORMABLE CONTAINERS AND DEVICE USING	(51) International Classification : B 05B 11/04, 11/00, 7/00

(71) Name of the Applicant : TAPLAST SPA	
Address of the Applicant : 36031 DUEVILLE, VI, S.S. MAROSTICANA, 65/67, ITALY.	
(72) Name of the Inventors : SANTAGIULIANA STEFANO.	
(30) Priority Data :	(31) Document No: V 199 A 00 245
	(32) Date : 02.12.1999
	(33) Country : ITALY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no: filed on	

***Abstract :***

The invention realizes a spraying device for dispensing liquids under the form of foam by the deformation of a container achieved by squeezing with a hand, comprising: a first body (3) provided with means of watertight coupling (31, 32) to the neck of said container; said first body enclosing a first chamber (33) where the air-liquid mixture is made and having at least one filter element (5) fitted on the spraying duct of said mixture suited to form the required foam and valve devices (64) to restore the air inside the container. Said device also comprising: a second body (6) suited to determine with said first body (5, 6) a second chamber (61) suited to containing the volume of liquid found in a suction tube (7) in said container, thereby preventing liquid from being discharged during the first spray.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00637/KOLA</i>	<i>(22) Date of filing : 13.05.2002</i>
<i>(54) Title : METHOD AND APPARATUS FOR TRANSMISSION OF NODE LINK STATUS MESSAGES THROUGHOUT A NETWORK WITH REDUCED COMMUNICATION PROTOCOL OVERHEAD TRAFFIC:</i>	<i>(51) International Classification : H04L 12/00</i>

<i>(71) Name of the Applicant : ITT MANUFACTURING ENTERPRISES, INC.</i>	
<i>Address of the Applicant : SUITE 1217, 1105, NORTH MARKET STREET, WILMINGTON DE 19801, UNITED STATES OF AMERICA.</i>	
<i>(72) Name of the Inventors : LI CHRIS CH0-PIN</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 60/164,940</i>
	<i>(32) Date : 12.11.1999</i>
	<i>(33) Country : UNITED STATES OF AMERICA.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** The present invention transmits Link-State Advertisement (LSA) type or database update messages or packets of an internetworking protocol within a wireless communication system or network via insertion of the packet within packets of an intranet protocol. Specifically, a wireless network includes a plurality of nodes arranged into clusters with each cluster having cluster member nodes and a designated cluster head node. The nodes communicate with each other via an intranet protocol, while the network may communicate with other external networks in accordance with an internetworking protocol (e.g., a modified version of the conventional Open Shortest Path First (OSPF) routing protocol, or a Radio Open Shortest Path First (ROSPF) protocol). A database within each network node contains link information for that node, while the ROSPF LSA type packets contain information to update the node databases. The ROSPF LSA type packets are transmitted to neighbors of each node to enable each database to maintain current information. In order to reduce overhead of transmitting numerous LSA type packets, the present invention transmits the ROSPF LSA , type packet within an intranet protocol beacon type or node status packet that is periodically broadcasted within the network. Thus, the overhead rate of increase is reduced, thereby permitting the network to utilize an ROSPF type protocol while expanding to larger scales.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00638/KOL/A	(22) Date of filing : 13.5.2002
(54) Title : LOW-VOLTAGE CIRCUIT BREAKER WITH AN ENCLOSURE HAVING A FRONT WALL AND A REAR WALL	(51) International Classification :  H 01H 71/08
(71) Name of the Applicant : SIEMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSNACHERPLATZ 2, 80333 MUNCHEN, GERMANY	
(72) Name of the Inventors : BACH MICHAEL, SEBEKOW MICHAEL, THIEDE INGO, SHMIDT DETLEV, STAHL GUENTER SEIDLEP, TUERKMEN SEZAI.	
(30) Priority Data :	(31) Document No: 199 58 943.7
	(32) Date : 26.11.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

Low-voltage circuit breaker with an enclosure having a front wall and a rear wall

In a low-voltage circuit breaker with an enclosure which has a front wall and a rear wall and has specific functional subdivisions, with the front wall and the rear wall being separated from one another by means of a separating joint, which runs vertically in the in-use position, between the enclosure front wall and the enclosure rear wall, an integrated cable duct (11) is provided in the base (12) of the enclosure rear wall (3), which cable duct (11) can be covered and extends underneath the contact support bearings and underneath the current transformer chambers (6) which surround the lower connecting rails (5), essentially over the entire width of the low-voltage circuit breaker (1) and, in the direction of the enclosure front wall (2), has one or more through-openings (13) for the connecting cables to pass through between the current transformers and the electronic tripping unit.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00639/KOLA	(22) Date of filing : 13-05-2002
(54) Title : ULTRASONIC IMAGING APPARATUS AND METHOD OF INDICATING THE NEXT SCANNING START TIME	(51) International Classification : G01S 7/00

(71) Name of the Applicant : GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY LLC	
Address of the Applicant : 3000 NORTH GRANDVIEW BOULEVARD- W-710, WAUKESHA, WI 53188, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : HASHIMOTO HIROSHI AND TANAKA KOW	
(30) Priority Data :	(31) Document No : 2000/308668
	(32) Date : 10.10.2000
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : An ultrasonic imaging apparatus indicates the proceeding time length which lasts until the next scanning start time on a bar graph or the like, thereby relieving the operator's duty in carrying out intermittent scanning.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00640 /KOLA	(22) Date of filing : 13-05-2002
(54) Title : ROTOR CONSTRUCTION FOR AIR PREHEATER	(51) International Classification : F28D 19/04

(71) Name of the Applicant : ALSTOM POWER INC.	
Address of the Applicant : 3020 TRUAX ROAD, WELLSVILLE, NEW YORK 14825, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. FIERLE, KURT M. 2. PERRY, MARK A. 3. RHODES ROBIN B.	
(30) Priority Data :	(31) Document No: 09/464, 553
	(32) Date : 16.12.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The rotor (14) of an existing rotary regenerative air preheater is retrofitted with deeper cold end baskets (68) for ) general performance enhancement and/or for the tolerance of ammonium bisulfate deposits. The normal cold end support gratings .(54) are removed and the support of the cold end baskets (68) of increased depth is at least partially from the existing rotor stay plates .(26).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00641 / KOLA	<i>(22) Date of filing :</i> 13-05-2002
<i>(54) Title :</i> SOLID STATE FORMS OF 5-[[6-[(2-FLUOROPHENYL)METHOXY]-2-NAPHTHALENYL]METHYL]-2,4-THIAZOLIDINEDIONE	<i>(51) International Classification :</i> C07D 277/34

<i>(71) Name of the Applicant :</i> ORTHO-MCNEIL PHARMACEUTICAL INC.	
<i>Address of the Applicant :</i> ROUTE# 202, POBOX 300 RARITAN, NJ 08869-0602, UNITED STATES OF AMERICA.	
<i>(72) Name of the Inventors :</i> 1. ANDRES MARK C.      2. BRYN, STEPHEN R. 3. NEWMAN, ANN.      4. RUSSELL, CATHERINE	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/166, 515
	<i>(32) Date :</i> 19.11.1999
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No.      filed on</i>	
<i>(62) Divisional to Application no.      filed on</i>	

**Abstract :** The present invention provides a crystal form, termed E type crystal form, and an amorphous form of 5-[[6-[(2-fluorophenyl)methoxy]-2-naphthalenyl]methyl]-2,4-Thiazolidinedione (MCC-555) that are distinguishable from known crystal forms. The present invention also provides a method for preparation thereof and pharmaceutical compositions comprising the E type crystal forms or amorphous forms of MCC-555.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00642 /KOLA	(22) Date of filing : 13-05-2002
(54) Title : DEVICE AND METHOD FOR PRODUCTION AND/OR PROCESSING OF PRODUCTS.	(51) International Classification : F24C 7/08

(71) Name of the Applicant : BSH BOSCH UND SIEMENS HAUSGERATE GMBH	
Address of the Applicant : HOSCHSTRASSE 17, 816669 MUNCHEN , GERMANY	
(72) Name of the Inventors : SCHEPERS, JORG. AND HAER, CHRISTIAN	
(30) Priority Data :	(31) Document No: 199 63 899.3
	(32) Date : 30.12.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to a device (V), for the production and/or processing of products, which comprises a first device , (1), for the input of voice signals, a second device (2), for the recognition of inputted voice signals (SPS), a storage medium (3) for I storage of first information (11) and/or second information (12), which are dedicated to voice signals which may be inputted, and a control unit (CC), which has a dedicated control program. According to the invention, the device (V) has an optical display unit (4) and/or may be linked to an acoustic replay device (5) and the control program is arranged in such a way, that the first information (11) is displayed on the optical display device (4) and/or the second information (12) is reproduced, by means of the acoustic replay device (5).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002.*

Application No. IN/PCT/2002/00643/KOL/A	(22) Date of filing : 13.5.2002
(54) Title : CRYSTALLINE MIXTURES OF PARTIAL METHYL ETHERS OF BETA- CYCLODEXTRIN AND RELATED COMPOUNDS	(51) International Classification :  C 08B

(71) Name of the Applicant : PITHA & PITHA LLC.	
Address of the Applicant : 10997 MAHLON PRICE ROAD, CHANCE MARY LAND, 21821, USA.	
(72) Name of the Inventors : PITHA JOSEPH	
(30) Priority Data :	(31) Document No: 60/164,94
	(32) Date : 12.11.1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

(57) Abstract: Certain mixtures of cyclodextrin derivatives, which were synthesized in mildly basic conditions, can be separated into mixtures that crystallize easily and mixtures of similar composition, which remain amorphous. Thus, it is possible to obtain the particular advantages of crystalline and/or amorphous state components from one reaction product. Both crystalline and amorphous components of the product have good ability to form inclusion complexes.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00644 /KOLA	(22) Date of filing : 13-05-2002
(54) Title : FIREWORKS DEVICE	(51) International Classification : F42B 4/00

(71) Name of the Applicant : JACKOH HATTELAND KJEMI AS	
Address of the Applicant : AMSOSEN, N-5578, NEDRE VATS NORW...	
(72) Name of the Inventors : JACKOH HATTELAND	
(30) Priority Data :	(31) Document No: 19995702
	(32) Date : 19.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

The invention relates to a fireworks device, comprising a number of light effect devices (14) as a replacement for traditional pyrotechnic stars. Each light effect device (14) comprises electrical/electronic light sources (15), preferably high-intensity light-emitting diodes, an energy-storage device (16) and a control device (17). The invention also relates to a light effect device for use in such a fireworks device, together with a fireworks system, a fireworks rocket and a ground firework in which the fireworks device is included.



**PUBLICATION AFTER 18 MONTHS**

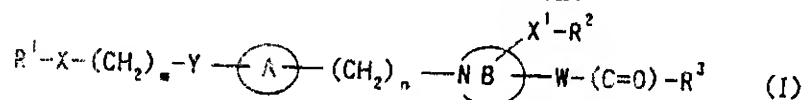
*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00645 /KOLA	(22) Date of filing : 13-05-2002
(54) Title : 5-MEMBERED N-HETEROCYCLIC COMPOUNDS WITH HYPOGLYCEMIC AND HYPOLIPIDEMIC ACTIVITY	(51) International Classification :

(71) Name of the Applicant : TAKEDA CHEMICAL INDUSTRIES LTD	
Address of the Applicant : 1-1 DOSHOMACHI 4-CHOME, CHUO-KU, OSAKA-SHI, OSAKA 541-0045, JAPAN	
(72) Name of the Inventors : 1. MOMSE YU 2. MAEKAWA TSUYOSHI. 3. ODAKA HIROYUKI 4. KIMURA HIROYUKI	
(30) Priority Data :	(31) Document No: 11-320317 AND 11-352237
	(32) Date : 10.11.1999 AND 10.12.1999
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A compound of the formula:



wherein  $R^1$  represents a hydrocarbon group which may be substituted or a heterocyclic group which may be substituted;

$X$  represents a bond, an oxygen atom, a sulfur atom, or a group of the formula:  $-\text{CO}-$ ,  $-\text{CS}-$ ,  $-\text{CR}^4(\text{OR}^5)-$  or  $-\text{NR}^6-$  wherein each of  $R^4$  and  $R^5$  represents a hydrogen atom or a hydrocarbon group which may be substituted,  $R^6$  represents a hydrogen atom or a protective group for a hydroxyl group;

$m$  represents an integer of 0 to 3;

$Y$  represents an oxygen atom, a sulfur atom, or a group of the formula:  $-\text{SO}-$ ,  $-\text{SO}_2-$ ,  $-\text{NR}^7-$ ,  $-\text{CONR}^7-$  or  $-\text{NR}^7\text{CO}-$  wherein  $R^7$  represents a hydrogen atom or a hydrocarbon group which may be substituted;

ring  $A$  represents an aromatic ring which may further have 1 to 3 substituents;

$n$  represents an integer of 1 to 8;

ring  $B$  represents a nitrogen-containing 5-membered hetero ring which may further be substituted by an alkyl group;

$X^1$  represents a bond, an oxygen atom, a sulfur atom, or a group of the formula:  $-\text{SO}-$ ,  $-\text{SO}_2-$ ,  $-\text{O}-\text{SO}_2-$  or  $-\text{NR}^{16}-$  wherein  $R^{16}$  represents a hydrogen atom or a hydrocarbon group which may be substituted;

$R^2$  represents a hydrogen atom, a hydrocarbon group which may be substituted or a heterocyclic group which may be substituted;

$W$  represents a bond or a divalent hydrocarbon residue having 1 to 20 carbon atoms;

$R^3$  represents a group of the formula:  $-\text{OR}^8$  ( $R^8$  represents a hydrogen atom or a hydrocarbon group which may be substituted) or  $-\text{NR}^9\text{R}^{10}$  (each of  $R^9$  and  $R^{10}$ , whether identical or not, represents a hydrogen atom, a hydrocarbon group which may be substituted, a heterocyclic group which may be substituted, or an acyl group which may be substituted;  $R^9$  and  $R^{10}$  may bind together to form a ring);

provided that  $R^1$  is a heterocyclic group which may be substituted or  $R^1$  is an aromatic hydrocarbon group which may be substituted or a heterocyclic group which may be substituted, when ring  $A$  is a benzene ring which may be substituted, and  $Y$  is an oxygen atom, a sulfur atom,  $-\text{NH}-$  or  $-\text{CONH}-$ ; or a salt thereof; which is useful as an agent for preventing or treating diabetes mellitus, etc.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002 .*

<i>Application No. IN/PCT/2002/00646 /KOLA</i>	<i>(22) Date of filing : 14.05.2002</i>
<i>(54) Title : INFORMATION PROVIDING SYSTE,</i>	<i>(51) International Classification : G06F17/30, 13/00</i>

<i>(71) Name of the Applicant : VISIONARTS INC.,</i>	
<i>Address of the Applicant : TOKYO-TATEMONO-GOTANDA BLDG, OF 6-3, HIGASHIGOTANDA 1-CHOME, SHINAGAWA-KU, TOKYO, 141-0022, JAPAN</i>	
<i>(72) Name of the Inventors : 1. FUJITA TAKESHI 2. ENDOH, HITOSHI 3. HATTA, NARIAKI. 4. FUJIKAWA, YASUFUMI</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No:11/298956 ,, 2000/79182 , PCT/JP00/05228</i>
	<i>(32) Date :21.10.199 ,, 21.3.2000 , 03.08.2000</i>
	<i>(33) Country :JAPAN</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : An information providing system for relatively easily making an access to information by improving the operability . When a server device (20) transmits predetermined image data corresponding to information that the server device (20) provides through a network (10), an identification information adding unit (205) adds identification information including a pointer indicating the information provided by the server device.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00647 KOLA</i>	<i>(22) Date of filing : 14.5.2002</i>
<i>(54) Title : ELECTRONIC COMMERCE SYSTEM</i>	<i>(51) International Classification : G06 F 17/60</i>

<i>(71) Name of the Applicant : VISIONARTS INC,</i>	
<i>Address of the Applicant : TOKYO-TATEMONO-GOTANDA BLDG, 6-3 HIGASHIGOTANDA 1-CHOME, SHINAGAWA-KU, TOKYO 141-0022, JAPAN.</i>	
<i>(72) Name of the Inventors : 1. FUJITA TAKESHI 2. ENDOH, HITOSHI 3. HATTA, NARIAKI 4. FUJIKAWA YASUFUMI</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No.:</i>
	<i>(32) Date :</i>
	<i>(33) Country :</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : An electronic commerce system which improves the flexibility in electronic commerce through the Internet and enables a user to conduct electronic commerce relatively easily. When a server (20) sends predetermined video data on a transaction object, an identification information adding processing (205) adds specific identification information about the object to the video data. An electronic commerce processing (304) by a terminal device (30) requests a settlement server (403) of a settlement device (40) to execute a settlement processing (306) according to the identification information extracted from the video data by a video data processing (305).*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00648/KOL/A	(22) Date of filing : 14.5.2002
(54) Title : NUT AND SEAT ASSEMBLY FOR CLAMP	(51) International Classification : F 16L 23/10, 23/06

(71) Name of the Applicant : JARZON PLASTICS LIMITED	
Address of the Applicant : ACRON HOUSE, 33 CHURCH FIELD ROAD, LONDON W 3 6AY, GREAT BRITAIN.	
(72) Name of the Inventors : ELLIOT ANTHONY	
(30) Priority Data :	(31) Document No: 99 27 226.2
	(32) Date : 17.11.1999
	(33) Country : GB
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A nut (17) and seat assembly is provided for a clamp (10). A nut is tightened onto a bolt (15) and a clamp member has a seat for the nut and an aperture defined by prongs (27). The bolt is inserted laterally into the aperture and the nut is tightened against the set. Tightening the nut onto the seat prevents outward movement of the prongs away from the bolt as the nut holds the prongs in place.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00649/KOL/A	(22) Date of filing : 14.5.2002
(54) Title : METHOD PREPARING MODIFIED POLYESTER BOTTLE RESINS	(51) International Classification : C 08G 63/80

(71) Name of the Applicant : WELLMAN, INC	
Address of the Applicant : 1040 BROAD STREET, # 302, SHREWSBURY, NJ 07702-4315, USA.	
(72) Name of the Inventors : SCHIAVONE ROBERT JOSEPH	
(30) Priority Data :	(31) Document No.: 09/456,253
	(32) Date : 07.12.1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The present invention is a method of preparing a high molecular weight copolyester bottle resin that has excellent melt processing characteristics. The method includes the steps of reacting a diacid or diester component and a diol component to form modified polyethylene terephthalate, wherein diol component is present in excess of stoichiometric proportions. Together, the diacid or diester component and the diol component must include at least 7 percent comonomer. The remainder of the diacid component is terephthalic acid or dimethyl terephthalate and the remainder of the diol component is ethylene glycol. The modified polyethylene terephthalate is copolymerized in the melt phase to an intrinsic viscosity of between about 0.25 dl/g and 0.40 dl/g to thereby form a copolyester prepolymer. Thereafter the copolyester prepolymer is polymerized in the solid phase to form a high molecular weight bottle resin that has an intrinsic viscosity of at least about 0.70 dl/g, and a solid phase density of less than 1.413 g/cc.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00650/KOL/A	(22) Date of filing : 14.5.2002
(54) Title : METHOD AND APPARATUS FOR LIMITING CALL ORIGATION ACCOMPANIED BY EXECUTING APPLICATION	(51) International Classification :  H 04M 1/677, G 06F 15/00 11/00 H 04 Q 7/38

(71) Name of the Applicant : NTT DOCOMO INC.,	
Address of the Applicant : 11-1 NAGATOCHO 2-CHOME CHIYODA-KU, TOKYO 100-6150 JAPAN	
(72) Name of the Inventors : 1. YAMADA KAZUHIRO. 2. WAKABAYASHI TATSUAKI	
(30) Priority Data :	(31) Document No. 2001-024737
	(32) Date : 31.1.2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

When a Java application AP originates a call to a certain communication node, a Java application manager JAM refers to the history of outgoing/incoming calls and telephone directory data mentioned above to determine whether the call origination processing should be granted by checking whether the telephone number of the communication node, for which call origination is to be implemented, is included in the history of outgoing/incoming calls or the telephone directory data. The determination is based on an idea in which, if the telephone number of the communication node for which call origination is to be performed is included in the history of outgoing/incoming calls or the telephone directory data, then the call origination processing is valid on a basis of the recognition in that a portable telephone has performed communication with the communication node in the past or the user has recognized it as a communication partner.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00651 /KOLA	(22) Date of filing : 15.5.2002
(54) Title : METHODS FOR ENCODING, DECODING, TRANSFERRING, STORAGE AND CONTROL OF INFORMATION, SYSTEMS FOR CARRYING OUT THE METHODS	(51) International Classification :  H04L 9/06

(71) Name of the Applicant : MISCHENKO VALENTIN ALEXANDROVICH	
Address of the Applicant : UL NEKRASOVA 28-210 MINSK 220040 BELARUS	
(72) Name of the Inventors : MISCHENKO VALENTIN ALEXANDROVICH, ZAKHARAU ULADZIMIR ULADZMIROVICH	
(30) Priority Data :	(31) Document No:
	(32) Date
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to means for protecting information from an unauthorized access by electronic means, encoding and transferring information the addressee is preliminary provided with two types of keys to the received communication. The said keys consist in information on regularities corresponding to the values or the communication transmitted to the address and specific values of the initial information for the whole set of symbols of the said kind of information. As a result of pair transformation at least two primary transformed communications of different contents, are formed. At the second stage at least of the primary transformed communication is subjected to secondary transforming. An encoded communication that is formed a result comprises two parts. The parts may be either intermixed or transferred to the recipient through different channels. Users a dedicated data communication processing and control centre it is possible to perform safe transfer of communication or P thereof with additional conversion of the communications for the recipient. Thus the open keys may be formed and transmitted the recipient without using any other means for keys delivery, Users may set individual keys using open communication channel. Disclosed are respective methods for decoding and systems for carrying out the said methods. The methods may be used in business communications and banking operations.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00652, KOLA</i>		<i>(22) Date of filing : 15/05/2002</i>	
<i>(54) Title : BICYCLE MOVED BY FRONT AND REAR DRIVE METHOD OF PEDAL.</i>		<i>(51) International Classification : B 62 M 9/00</i>	
<i>(71) Name of the Applicant : HEO HYUN KANG.</i>			
<i>Address of the Applicant : 63-47, MAJIRI, JEOKSUNGMEON, PAJUSI, KYUNGKIDO 413-910, REPUBLIC OF KOREA.</i>			
<i>(72) Name of the Inventors : HEO HYUN KANG.</i>			
<i>(30) Priority Data :</i>		<i>(31) Document No: 1999/24967</i>	
		<i>(32) Date : 15/11/1999</i>	
		<i>(33) Country : REPUBLIC OF KOREA</i>	
<i>(61) Patent of addition to Application No. filed on</i>			
<i>(62) Divisional to Application no. filed on</i>			

**Abstract :** This invention relates to a bicycle with a forward and backward pedaling system which drives a bicycle forward in either a forward or a backward pedaling.

This invention relates to a forward and backward pedaling bicycle which comprises a backward driving sprocket 6 which is installed on a driving shaft 5 for a load driving in forward direction but a no-load driving in backward direction; a forward driving sprocket 7 which is installed on the driving shaft 5 for a load driving in forward direction but a no-load driving in backward direction, and connects an upward induction sprocket 12 which is installed for a no-load driving on the top of a support part 10 that is placed along the top of the backward driving sprocket 6 and a rearward induction sprocket 16 which is connected to a rearward driving shaft 15 for a no-load driving and is placed at the bottom of a support part 10 that is placed along the lower rear direction of the upward induction sprocket 12 with a driving chain 8; and an auxiliary induction sprocket 17 which is installed on the rearward driving shaft 15 for a no-load driving, and the forward driving sprocket 7 and the auxiliary induction sprocket 17 are connected by an auxiliary chain.

The bicycle in this invention can move forward in a backward pedaling as well as in a forward pedaling. Therefore, one can ride on a bicycle for an extended period while changing posture, can climb up a hill with reduced power consumption by pedaling in a backward direction. This invention is simply applicable to all bicycles, and is practical and useful.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00653/KOLA1.	(22) Date of filing : 15/05/2002
(54) Title : REFINEMENT OF TRANSMITTED POLYGONAL MESH DATA.	(51) International Classification : G 06 T 17/20

(71) Name of the Applicant : SUPERSCAPE PLC.,	
Address of the Applicant : CROMWELL HOUSE, BARTLEY WOOD BUSINESS PARK, HOOK, HAMPSHIRE RG27 9XA, GREAT BRITAIN.	
(72) Name of the Inventors : 1. GROVE JONATHAN GORDON, 2. ELLIS SEAN TRISTRAM LEGUAY, 3. GREGORY PAUL CHARLES.	
(30) Priority Data :	(31) Document No: 9926131.5
	(32) Date : 5/11/1999
	(33) Country : GREAT BRITAIN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A distributed computer system comprises a first computer and a second computer. The system is arranged for a digital image to be transmitted from the first computer to the second computer, via a telecommunications link, as plurality of co-ordinates defining, in three-dimensional space, the vertices of a plurality of polygonal surface facets of the image. The second computer is arranged to enhance the image by modifying the image according to the co-ordinates of said vertices. Only a small amount of data need therefore be transmitted from the first computer to the second computer for a high resolution image to be displayed by the latter.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/006544/KOLA	(22) Date of filing : 15/05/2002
(54) Title : <i>CROSSLINKED COMPOSITIONS CONTAINING SILANE-MODIFIED POLYOLEFINS AND POLYPROPYLENES.</i>	(51) International Classification : C 08 L 23/10, C 09 J 123/10, B 29 C 61/06

(71) Name of the Applicant : <i>SHAWCOR LTD.,</i>	
Address of the Applicant : <i>25 BETHRIDGE ROAD, TORONTO, ONTARIO M9W 1M7, CANADA.</i>	
(72) Name of the Inventors : <i>1. JACKSON PETER, 2. STEELE ROBERT EDWARD, 3. TATHGUR AMARJIT, 4. HEYDRICH MARCUS P. 5. TAILOR DILIP K.</i>	
(30) Priority Data :	(31) Document No: 2290318
	(32) Date : 24/11/1999
	(33) Country : CANADA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on.	

**Abstract** : A moisture-crosslinkable polypropylene materia, comprising silane-grafted polyolefin or olefin-silane copolymer and non silane-modified polypropylene homopolymer or copolymer, and coatings or insulations, including heat-shrinkable coating and insulations, prepared therefrom. The coating material is formed by a process comprising; (a) reacting polyolefin with a silane in the presence of a free-radical initiator to form a silane-grafted polyolefin, or copolymerising a polyolefin with silane; (b) preparing a mixture of the silane-modified polyolefin prepared in (a) with polypropylene homopolymer or copolymer, and a silane condensation catalyst; (c) forming the coating or insulating material by melt processing the mixture formed in step (b); and (d) cross linking the coating or insulating material by exposing it to moisture, preferably at an elevated temperature.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00655/KOLA-	(22) Date of filing : 15/05/2002
(54) Title : RADIO TRANSMISSION APPARATUS AND TRANSMISSION SIGNAL MAPPING METHOD.	(51) International Classification : H 04 L 27/34, H 03 M 13/29

(71) Name of the Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD.,  
Address of the Applicant : 1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501, JAPAN.

(72) Name of the Inventors : 1. UESUGI MITSURU, 2. SUZUKI HIDETOSHI, 3. MIYOSHI KENICHI.

(30) Priority Data :	(31) Document No: 2000-286826
	(32) Date : 29/09/2000
	(33) Country : JP

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

*Abstract : S/P transform section 101a transforms transmission data A from serial data into parallel data, and outputs the parallel data to 16QAM mapping section 102 as data to be mapped onto bits (s0 and s1) with relatively high quality. S/P transform section 101b transforms transmission data B from serial data into parallel data, and outputs the parallel data to 16QAM mapping section 102 as data to be mapped onto bits (s2 and s3) with relatively low quality. 16QAM mapping section 102 performs mapping on transmission data A and B on the signal space diagram of 16QAM by Gray Coding. Then, transmission data A and B undergoes digital modulation and is transmitted to a communicating party via antenna 105.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00656 KOLA.	(22) Date of filing : 15/05/2002
(54) Title : CENTER OF GRAAVITY CONTROL FOR HIERARCHICAL QAM TRANSMISSION SYSTEMS.	(51) International Classification : H 04 L 27/34

(71) Name of the Applicant : THOMSON LICENSING S.A., Address of the Applicant : 46 QUAI ALPHONSE LE GALLO, F-92648 BOULOGNE CEDEX, FRANCE.	
(72) Name of the Inventors : 1. SETTLE TIMOTHY FORREST, 2. KRAUSS THOMAS PETER, 3. RAMASWAMY KUMAR.	
(30) Priority Data :	(31) Document No: 60/167,022
	(32) Date : 23/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A QAM receiver calculates the location of the center-of-gravity of successive received data points in a quadrant. A level 1 decoder detects the quadrant in the I-Q plane of a received data point. Further circuitry translates the received data point in the I-Q plane such that the center-of-gravity of the detected quadrant is translated to the origin of the I-A plane. A level 2 decoder is then responsive to the translated data point for detecting the quadrant of the translated data point. A hierarchical QAM system allows the transmission of different sources by embedding the relative constellation points. In the hierarchical QAM receiver, a calculating circuitry determines the center of gravity of successive received data points in a quadrant. The displacement of the center of gravity is used in the decoding process when determining the single data streams pertaining to the different sources.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00657/KOLA	(22) Date of filing : 15/05/2002
(54) Title : ERROR DETECTION/CORRECTION CODING FOR HIERARCHICAL QAM TRANSMISSION SYSTEMS.	(51) International Classification : H 04 L 27/34

(71) Name of the Applicant : THOMSON LICENSING S.A., Address of the Applicant : 46 QUAI ALPHONSE LE GALLO, F-92648 BOULOGNE CEDEX, FRANCE.	
(72) Name of the Inventors : 1. SETTLE TIMOTHY FORREST, 2. KRAUSS THOMAS PETER, 3. RAMASWAMY KUMAR.	
(30) Priority Data :	(31) Document No: 60/167,021
	(32) Date : 23/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The power of the respective codes used by the first and second error detection/correction circuitry are such that the coded bit error rate of the first data stream is more closely matched to the coded bit error rate of the second data stream. A hierarchical QAM system allows the transmission of different sources by embedding the relative constellation points. The hierarchical QAM transmitter encodes the first data stream using a code having a first detection/correction power and encodes the second data stream using a code having a second detection/correction power.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00658 KOLA	(22) Date of filing : 15/05/2002
(54) Title : <i>APPLICATOR AND PROCESS FOR COATING FIBER MATERIALS.</i>	(51) International Classification : B 05 C 5/00, B 05 B 13/02, C 03 C 25/14, 25/20, D 06 B 1/08, 1/02

(71) Name of the Applicant : OWENS CORNING,	
Address of the Applicant : ONE OWENS CORNING PARKWAY, TOLEDO, OH 43659, U.S.A.	
(72) Name of the Inventors : 1. GAO, GUANG, 2. MATTESON, THOMAS, O. 3. MOLNAR, DAVID, L. 4. GREEN, RICHARD, A.	
(30) Priority Data :	(31) Document No: 09/451,615
	(32) Date : 30/11/1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : An applicator for the deposition of size and other coating compositions onto the surfaces of reinforcing fibers (2), such as glass. The device may be used to apply aqueous or non-aqueous size to continuously formed fiber materials in a high speed forming process. The applicator may include an atomizing spray pre-applicator (3) in combination with a slide-die applicator (6). The atomizing spray pre-applicator can be connected to a vacuum source (5), which increases contact of the spray with the fibers and thereby improves coating, coverage. The slide-die applicator may include a slide-die configuration that reduces leakage of the liquid coating. The process of using the invention can provide a more uniform thin film coating, higher coating efficiency, and better coating coverage than size applicators otherwise known in the art.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00659 /KOLA	(22) Date of filing : 16.5.20002
(54) Title : SURFACE TREATMENT OF AN ORGANIC POLYMERIC MATERIAL	(51) International Classification : C08J 7/00, 7/12

(71) Name of the Applicant : DOW CORNING LIMITED	
Address of the Applicant : CARDIF ROAD BARRY CF63 2YL UK	
(72) Name of the Inventors : 1. GOODWIN ANDREW JAMES. 2. FUTTER DANIEL EDWARD. 3. MERLIN PATRICK JACQUES JEAN. 4. BADYAL JAS PAL SING.	
(30) Priority Data :	(31) Document No: 9928781.5
	(32) Date : 2.12.1999
	(33) Country : UK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

A method of forming a coating on a substrate surface which coating comprises SiO<sub>x</sub> groups by plasma treatment of the surface, wherein the substrate comprises a blend of an organic polymeric material and an organosilicon-containing additive which is substantially non-miscible with the organic polymeric material. The organic polymeric material preferably comprises a polyolefin, and the organosilicon-containing additive preferably comprises polydimethylsiloxane,  $\alpha,\omega$ -dihoxypolydimethylsiloxane,  $\alpha,\omega$ -divinylpolydimethylsiloxane, or a copolymer of polydimethylsiloxane and polyethylene. The plasma treatment may comprise oxygen-containing gas plasma treatment, and the substrate is preferably heated and the plasma pulsed during plasma treatment. The method can enhance the surface barrier, antioxidant and/or the adhesive properties of the substrate.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00660 KOLA	(22) Date of filing : 16/05/2002
(54) Title : WATER IMPROVEMENT AGENT CONTAINING CORAL SAND	(51) International Classification : C 02 F 1/28, 1/68, 1/70

(71) Name of the Applicant : HEALTH BY NATJURE AS.	
Address of the Applicant : UBERGSMOEN, N-4985 VEGARSHEI, NORWAY.	
(72) Name of the Inventors : 1. AGER-WICK GLENN, 2. AGER-WICK EINAR, 3. SOEGAARD BIRGER.	
(30) Priority Data :	(31) Document No: P1999 5792
	(32) Date : 26/11/1999
	(33) Country : NORWAY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention pertains to coral sand, more particularly to a composition of coral algae, shell sand and ascorbate being, useful as an additive for the improvement of the quality, including the taste, of drinking, water, that is as a water improvement agent. The composition is as follows; 5 to 90% coral algae, 5 to 90% shell sand, 0.1 to 8% ascorbic acid salt, and it is chosen so that by the addition of 0.5g to 1 liter of water the mixture is emerging with a pH from 7 to 8.5. If the product in addition contains a suitable gelling agent, this entails that any bacteria formerly present, after addition of the water improvement agent according to the invention, no longer exist in the free solution.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00661 /KOLA	(22) Date of filing : 16.05.2002
(54) Title : METHOD AND APPARATUS FOR CLOSING A PACKING TUBE	(51) International Classification : B65 B 51/00

(71) Name of the Applicant : JOHSON & JOHNSON GMBH	
Address of the Applicant : KAISERSWERTHER STRASSE 270, D-40474 DUSSELDORF , DE	
(72) Name of the Inventors : 1. BUZOT, HERVE    2. SCHOELLING, HANS WERNER	
(30) Priority Data :	(31) Document No: 199 56 697.6
	(32) Date : 12.11.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The present invention is directed to a method and an apparatus for closing a packing tube (1) around an essentially cylindrical packaged product (2), in particular a tampon for female hygiene, in which method the packing tube (2) which is made of a flexible packing film is arranged in tube shape around the packing product so that an open packing tube portion (3) is projecting 0 beyond a free forward end of the packaged product. Then, a front portion of the packing film of the open forward projecting packing tube portion (3) is pressed together and joined by clamping jaws (10, 10') to form a first film sheet portion (6, 8), and the joined first film sheet portion (6, 8) is folded onto the packing tube (1) around the forward end of the packaged product and is joined therewith.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00662 /KOLA	<i>(22) Date of filing :</i> 17.05.2002
<i>(54) Title :</i> FILTER DEVICE	<i>(51) International Classification :</i> F 15B 21/04, B01D29/15, 28/58/ 29/23, 35/47

<i>(71) Name of the Applicant :</i> AGRO GMBH FUR FLUIDTECHNIK	
<i>Address of the Applicant :</i> INDUSTRIESTRASSE 9, 76703, KRAICHTAL DE.	
<i>(72) Name of the Inventors :</i> REINHARDT, HANS	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 199 55, 635.0
	<i>(32) Date</i> : 20.11.1999
	<i>(33) Country</i> : DE
<i>(61) Patent of addition to Application No.</i> filed on	
<i>(62) Divisional to Application no.</i> filed on	

*Abstract* : To develop a filter device for filtering a hydraulic fluid with a filter housing, in which a filter element is disposed, in such a way that it ensures protection of a hydraulic pump and highly stressed hydraulic components and has a compact, easy-to-service form of construction, it is proposed according to the invention that the filter element comprises a first and a second subelement, the first subelement having a higher filter fineness than the second subelement and both subelements being insertable through a common insertion opening into the filter housing, and that it is possible for hydraulic fluid to be fed to each subelement via a separate supply inflow and for filtered hydraulic fluid to be discharged from both subelements via a common outflow. Furthermore, a filter element and a hydraulic circuit for a filter, device of this type are proposed.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00663 /KOLA	(22) Date of filing : 17.5.2002
(54) Title : DISAZO COMPOUNDS, THEIR PREPARATION AND THEIR USE AS DYESTUFFS	(51) International Classification : C09B 62/00
(71) Name of the Applicant : DYSTAR TEXTILEFARBEN GMBH & CO	
Address of the Applicant : ESCHENHEIMER TOR 2, 60318, FRANKFURT AM MAIN DE	
(72) Name of the Inventors : STECKELBERG JOACHIM	
(30) Priority Data :	(31) Document No: 09/479,711
	(32) Date : 7.1.2000
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Described are fiber-reactive, water-soluble disazo compounds corresponding to the formula (I), which are capable : of dyeing fiber material containing hydroxy, amino, thiol and/or carboxamido groups, such as cellulose fibers, for example cotton, regenerated cellulose fibers, wool and synthetic polyamide fibers, in a high intensity and with good fastness properties. In said ) formula, W2 is a particular fiber-reactive grouping, D1 is phenyl or naphthyl, each optionally substituted by substituents customary in dyestuffs, and D2 is phenylene or naphthylene optionally substituted by substituents customary in dyestuffs, M is hydrogen or an alkali metal, R is hydrogen or sulfo and R 1 is hydrogen, optionally substituted lower alkyl or optionally substituted phenyl.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00664 /KOLA		(22) Date of filing : 17/05/2002
(54) Title : PRESSURE REGULATOR.		(51) International Classification : G05D 16/00 F02 M 61/00 , 61/16
(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT		
Address of the Applicant : OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY		
(72) Name of the Inventors : 1. KORST, OTTO 2. ECK, KARL		
(30) Priority Data :	(31) Document No: 100 46, 736.9	
	(32) Date : 21.9.2000	
	(33) Country : DE	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**Abstract** : A pressure regulator has a closing member (4) which controls a pressure-medium inlet (2) and on which is supported a valve spring (7) arranged in a spring can (8). The spring can (8) consists of a casing part (9) and of a lid (10). The valve spring (7) is supported with one end against this lid (10). Said lid is pushed into the casing part (9) until the necessary spring force is set exactly and is then connected to the casing surface (15) of the casing part (9) by means of radial indentations (12, 13).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00665/KOLA	(22) Date of filing : 17/05/2002
(54) Title : BASE FOR LOW PRESSURE DISCHARGE LAMP	(51) International Classification : H01J 5/60

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY	
Address of the Applicant : ONE RIVER ROAD, SCHENECTADY NY, 12345, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : BUSAI, GYULA. 2. HORVATH, L GYORGI.	
(30) Priority Data :	(31) Document No: 09/687, 014
	(32) Date : 13.10.2000
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract* : A lamp base in combination with a low pressure discharge lamp is provided. The low pressure discharge lamp comprises a glass envelope which has an end portion and an axis. A stem is melted into the end portion of the envelope in a gas-tight manner in order to form a seal region. The stem is mounted with an electrode and includes a current in-lead which is connected to the electrode. The lamp base comprises a metallic base shell which is fitted to the seal region. A resilient insert is disposed substantially in the base shell. Said resilient insert embraces the seal region at least partly, and fits resiliently to an interior surface of the base shell. Said insert as means suitable for positioning the lamp base in cooperation with further means formed on the surface of the seal region. The base shell has an end portion closed at least partly by an insulator piece which embeds a base stud made of metal. The base stud is connected to the current in-lead.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00666 (KOLA)	(22) Date of filing : 17/05/2002
(54) Title : HYDROCARBON HYDROGENATION CATALYST AND PROCESS	(51) International Classification : B01J 23/58, 23/66 C07C 7/167, 5/05, 5/08

(71) Name of the Applicant : PHILIPS PETROLEUM COMPANY	
Address of the Applicant : 4 <sup>TH</sup> AND KEELER, BARTLESVILLE, OK 74004, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. BERGMEISTER JOSEPH J. 2. CHEUNG, TINTACK PETER. 3. DELZER, GARY A. 4. ZISMAN, STAN A. 5. BROWN, SCOTT H. 6. JOHNSON, MARVIN M. 7. BYERS, JIM D. 8. TIEDTKE, DARIN B. 9. YOUNG, DAVID A.	
(30) Priority Data :	(31) Document No: 9/459, 846
	(32) Date : 13.12.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A catalyst composition which can be used for hydrogenating a highly unsaturated hydrocarbon such as an alkyne or a diolefin to a less unsaturated hydrocarbon is disclosed. The catalyst composition contains palladium, an inorganic support, and a catalyst component of silver and an alkali metal compound. The catalyst composition can additionally contain a halide, preferably a halide of a non-alkali metal halide. A process of making such catalyst composition is also disclosed. The process of using such catalyst composition involves contacting a hydrocarbon-containing fluid, which contains a highly hydrocarbon, with a catalyst composition in presence of hydrogen under a hydrogenation condition sufficient to effect a hydrogenation of the highly unsaturated hydrocarbon. The process of using such catalyst composition can be conducted in the presence or absence of a sulfur impurity such as a sulfur compound.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00667/KOLA	<i>(22) Date of filing :</i> 17/05/2002
<i>(54) Title :</i> A HIERARCHICAL TRANSMISSION SYSTEM WITH VARYING GROUPING FACTOR	<i>(51) International Classification :</i> a04l 27/34

<i>(71) Name of the Applicant :</i> THOMSON LICENSING S.A.	
<i>Address of the Applicant :</i> 46 QUAI ALPHONSE LE GALLO F 92648 BOULGNE CEDEX FRANCE	
<i>(72) Name of the Inventors :</i> 1. SETTLE TIMOTHY FORREST. 2. KRAUSS THOMAS PETER. 3. RAMASWAMY KUMAR	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 60/167, 023
	<i>(32) Date :</i> 23.11.1999
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** A OAM transmitting system, includes a source of a level 1 and a level 2 data stream, each data stream carrying successive symbols. A hierarchical OAM transmitter, coupled to the level 1 and level 2 data stream source, generates a hierarchical OAM signal in which a level 1 symbol is represented by a data point in one of four quadrants in the 1-0 plane, and a level 2 symbol is represented by the data point in one of four sub-quadrants surrounding a center point of the quadrant containing the level 1 data point. The level 2 data point is spaced away from the center point by a grouping factor set to more closely match the bit error rate performance of the level 1 and level 2 data streams.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00668 /KOLA	(22) Date of filing : 17/05/2002
(54) Title : A DEVICE AND METHOD FOR PRODUCING SILK YARNS	(51) International Classification : D01B 7/00

(71) Name of the Applicant : SILKTECH LTD.	
Address of the Applicant : AHI DAKAR 4, HERZLIYA 46702, ISRAEL	
(72) Name of the Inventors : 1. RUBINOV BORIS. 2. BARNOAH LZHAK	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : This invention is a device, and method for producing silk yarns of silk cocoons. The compact size device comprising a boiling unit (60), a thread catching station (90), a cleaning, a transporting mechanism (333), a plurality of thread processing units (300), and a control unit (270). The device is configured to receive silk cocoons, to boil the cocoons, fill the cocoons with water, recognize a thread, catch it, and unravel the cocoon, while controlling the quality of a silk yarn made of a plurality of silk threads.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00669/KOLA	(22) Date of filing : 17.5.2002
(54) Title : RECLOSABLE DISPENSER PACKAGE.RECLOSABLE OUTLET FORMING STRUCTURE AND METHOD AND APPARATUS FOR MAKING SAME	(51) International Classification :  B65D 75/58

(71) Name of the Applicant : SANFORD REDMOND INC.	
Address of the Applicant : 780 EAST 134 <sup>TH</sup> STREET , BRONX NY 10454, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : REDMOND , SANFORD	
(30) Priority Data :	(31) Document No: 60/166, 504
	(32) Date : 19.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : An aperture forming structure for a sealed containment and dispensing package for flowable products is provided. The structure includes a break away tip member (634) of thermoformable plastic. A cap (620) may be integrally formed with the aperture forming structure and may be used to protect the tip member or for closing the aperture.*

*An alternative embodiment relates to a pouch (2100). By folding the corner of the pouch towards the body of the pouch towards the body of the pouch a break away tip member is removed leaving a product outlet hole (2100b) in the pouch wall.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00670 /KOLA A</i>	<i>(22) Date of filing : 20.5.2002</i>
<i>(54) Title : COMMUNICATION APPARATUS</i>	<i>(51) International Classification : H04B 1/44</i>

<i>(71) Name of the Applicant : MATSUSHITA ELECTRIC INDUSTRIAL CO. LTD</i>	
<i>Address of the Applicant : 1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501, JAPAN</i>	
<i>(72) Name of the Inventors : TAMURA MASAHIKA</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i>
	<i>(32) Date :</i>
	<i>(33) Country :</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract* : A configuration, in which switches 107 and 109 are loaded to bias lines 104 and 105, is adopted. It is such structured that a high frequency switch 100 can be changed over at a high speed by closing the switches 107 -109 to discharge the electric charge accumulated on PIN diodes D1 and D2 at a high speed when turning OFF the PIN diodes D1 and D2.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00671/KOLA + .	<i>(22) Date of filing :</i> 20/05/2002
<i>(54) Title :</i> MOLICULAR LANTHANIDE COMPLEXES FOR PHOSPHOR APPLICATIONS BACKGROUND OF THE INVENTION	<i>(51) International Classification :</i> H05B 33/14, H01L 51/20

<i>(71) Name of the Applicant :</i> GENERAL ELECTRIC COMPANY	
<i>Address of the Applicant :</i> 1 RIVER ROAD SCHENECTADY, NY 12345, UNITED STATES OF AMERICA.	
<i>(72) Name of the Inventors :</i> 1. GRECI, MICHAEL A. 2. SRIVASTAVA, ALOK MANI.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 09/691, 693
	<i>(32) Date :</i> 28.10.2000
	<i>(33) Country :</i> UNITED STATES OF AMERICA.
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :* A light source is provided which contains a light emitting component and at least one phosphor material. The phosphor material absorbs radiation emitted by the light emitting component and converts that radiation to visible light of a desired color. The phosphor composition is a molecular compound of the formula  $\text{LnAxBy}$ , wherein Ln is a lanthanide, A is f3-diketonate ligands, B is at least one additional ligand, and X and Y are integers.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment.) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00672/KOLA 4	<i>(22) Date of filing :</i> 20-05-2002
<i>(54) Title :</i> FLAT MOUNT WITH AT LEAST ONE SEMICONDUCTOR CHIP	<i>(51) International Classification :</i> G07D 7/00, 7/02

<i>(71) Name of the Applicant :</i> INFINEON TECHNOLOGIES AG.	
<i>Address of the Applicant :</i> ST-MARTIN-STRASSE 53, 81669, MUNCHEN, GERMANY	
<i>(72) Name of the Inventors :</i> REINER, ROBERT	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 99123207.5
	<i>(32) Date :</i> 25.11.1999
	<i>(33) Country :</i> EP
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract :* The invention proposes a flat mount with at least one semiconductor chip which is connected to an antenna for interchanging data and power with an electronic appliance, with the antenna comprising two electrical conductors, and with a conductive layer being provided on the mount, and overlapping the electrical conductors of the antenna. This results in greater capacitive coupling between the electronic appliance and the flat mount (transponder).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00673/KOLA A	<i>(22) Date of filing :</i> 20-05-2002
<i>(54) Title :</i> PROPULSION DEVICE, WITH TWO DRIVE MOTORS OF DIFFERENT POWER, FOR A SHIP	<i>(51) International Classification :</i> B63H 21/17, B63G 8/08, 8/34

<i>(71) Name of the Applicant :</i> SIMENS AKTIENGESSELLSCHAFT	
<i>Address of the Applicant :</i> OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
<i>(72) Name of the Inventors :</i> 1. WENGLER, PETER 2. MEYER, CHRISTIAN. 3. SCHUERIN, INGO	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 199 58 783.3
	<i>(32) Date :</i> 30.11.1999
	<i>(33) Country :</i> DE
<i>(61) Patent of addition to Application No.</i> filed on	
<i>(62) Divisional to Application no.</i> filed on	

**Abstract :** The aim of the invention is to optimize the energy balance of a driving device for a marine vessel with two very different working ranges for the propeller. To this end, two driving motors (10, 20) which are configured in the form of multiphase alternative current motors with a converter feed are allocated to the drive shaft. Said driving motors differ in their nominal capacity according to a ratio of at least 20:1. Advantageously, the rotors (12, 22) of the two drive motors (10, 20) are mounted together in two bearing arrangements (16, 26) located either side of the rotors.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00674 /KOL/A	<i>(22) Date of filing :</i> 20.5.2002
<i>(54) Title :</i> PRODUCTION OF VACCINES	<i>(51) International Classification :</i> C07K 14/11

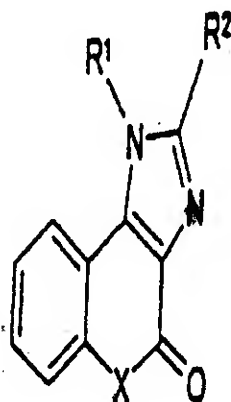
<i>(71) Name of the Applicant :</i> CRUCELL HOLLAND B.V.	
<i>Address of the Applicant :</i> ARCHIMEDES WEG 4, 2333 CH LEIDEN, NETHERLAND	
<i>(72) Name of the Inventors :</i> 1. PAU, MARIA GRAZIA. 2. UYTDEHAAG, ALPHONSUS GERARDUS CORNELIS MIA. 3. SCHOUTEN, GOVERT JOHAN.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 99203983.4
	<i>(32) Date :</i> 26.11.1999
	<i>(33) Country :</i> NETHERLAND
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

*Abstract : Novel means and method are provided for the production of mammalian viruses, comprising infecting a culture of immortalized human cells with the virus , incubating the culture infected with virus to propagate the virus under conditions that permit growth of the virus and to form a virus-containing medium, and removing the virus-containing medium. The viruses can be harvested and be used for the production of vaccines. Advantages-human cells of the present invention can be cultured under defined serum free conditions , and the cells show improved capability for propagating virus. In particular, methods are provided for producing in cultured human cells influenza virus and vaccines derived thereof. This method eliminated the necessity to use whole chicken embryos for the production of influenza vaccines. This methods provides also for the batchwise removal of culture media . As such the present invention allows the large scale continuous production of viruses to a high tier.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00675 /KOLA		(22) Date of filing : 20/05/2002
(54) Title : IMIDZOLE DERIVATIVES AS PHOSPHODIESTERASE INHIBITORS		(51) International Classification :
(71) Name of the Applicant : MERCK PATENT GMBH		
Address of the Applicant : FRANKFURTER STRASSE 250, 642293, DARMSTADT DE.		
(72) Name of the Inventors :		
(30) Priority Data :	(31) Document No: 199 50 647.7	
	(32) Date : 21.10.1999	
	(33) Country : DE	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

**Abstract :**

(I)

(57) Abstract: The invention relates to imidazole derivatives of formula (I), wherein R<sup>1</sup> means H, A, benzyl, indane-5-yl, 1,2,3,4-tetrahydro-naphthalene-5-yl, dibenzothio-  
iophene-2-yl or phenyl that is unsubstituted or substituted once, twice or three times by  
means of Hal, A, A-CO-NH, benzyloxy, alkoxy, COOH or COOA, R<sup>2</sup> means H or A,  
X means O or S, Hal means F, Cl, Br or I and A means alkyl with 1 to 6 C-atoms. The  
invention also relates to the physiologically acceptable salts and/or solvates thereof  
acting as phosphodiesterase VII inhibitors. The invention further relates to the use  
thereof for producing a medicament.

(57) Zusammenfassung: Imidazolderivate der Formel (I), worin R<sup>1</sup> H, A, Benzyl,  
Indan-5-yl, 1,2,3,4-Tetrahydro-naphthalin-5-yl, Dibenzothiophen-2-yl oder unsubsti-  
tuirter oder ein-, zwei- oder dreifach durch Hal, A, A-CO-NH, Benzyloxy, Alkoxy,



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00676 /KOL.A</i>	<i>(22) Date of filing : 20.5.2002</i>
<i>(54) Title :</i> LIGHT ENCLOSURE FOR TRACTOR/TRAILER INCORPORATING ANTENA AND/OR RADIO COMPONENTS	<i>(51) International Classification :</i> G01S 5/14, B60Q 1/26

<i>(71) Name of the Applicant : TERION INC.</i>	
<i>Address of the Applicant : 420 NORTH WICKHAM ROAD, MELBOURNE , FL 32935, UNITED STATES OF AMERICA.</i>	
<i>(72) Name of the Inventors : 1. KELLY JOHN E. 2. ANDERSON BRUCE L</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 09/429, 453</i>
	<i>(32) Date : 28.10.1999</i>
	<i>(33) Country : UNITED STATES OF AMERICA.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** The invention relates to a marker light having a global positioning system antenna and a communications antenna mounted within a marker light housing. The marker light can be mounted to a mobile vehicle. The communications antenna can be I coaxial cable. The communications antenna can also be a cellular telephone antenna. The marker light can also include an infrared port to allow wireless communications between the marker light and an external device.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00677/KOLA	(22) Date of filing : 20.5.2002
(54) Title : POLYETHYLENE GLYCOL MODIFIED POLYESTER FIBERS AND METHOD FOR MAKING THE SAME	(51) International Classification : D01F 6/86, D02G 3/04, D03D 15/06, D06P 3/52, C08G 63/66

(71) Name of the Applicant : <i>WELLMAN INC.</i>	
Address of the Applicant : 1040 BROAD STREET #302 SHREWSBURY NJ 07702-4318, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : <i>BRANUM JAMES BURCH</i>	
(30) Priority Data :	(31) Document No: 09/444.192
	(32) Date : 19.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Disclosed is a method of copolymerizing polyethylene glycol (PEG) and branching agent into polyethylene terephthalate (PET) to achieve a polyethylene glycol-modified polyester composition that can be spun into filaments. Fabrics made from fibers formed from the copolyester composition possess wicking, drying, stretching, abrasion-resistance, flame-retardancy, static-dissipation, dyeability, and tactility properties that are superior to those of fabrics formed from conventional polyethylene terephthalate fibers of the same yarn and fabric construction. Also disclosed are polyethylene glycol modified copolyester compositions, fibers, yarns, and fabrics.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00678/KOL/A	(22) Date of filing : 20.5.2002
(54) Title : SOLID STATE SURFACE CATALYSTS REACTOR	(51) International Classification : B01J 19/08

(71) Name of the Applicant : NEOKISMET L.L.C.	
Address of the Applicant : SUITE 1350, 456 MONTGOMERY STREET, SAN FRANCISCO, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. ZUPPERO ANTHONY C. 2. GIDWANI JAWAHAR M.	
(30) Priority Data :	(31) Document No: 60/160, 531
	(32) Date : 20.10.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A method and apparatus to stimulate chemical on a catalyst surface (116) using electricity, and the reverse convert energy released from chemical reactions into elect visible emitter (102) generates electrons which are injectants on the catalyst surface (116), exciting chemically re lional resonances. Hot electrons created in the emitter region conductor junction (110) diffuse to the co-located collect catalyst surface (116). Catalyst closters or films bonded on tor surface transfer the hot electrons to or from the catalyst having adsorbed reactants. The dimension of l the catalyst con is less than the energy mean free path of hot electrons. The excite reactant vibrations before thermalizing with the sut therby accelerating reactions. The hot electrons are also the same reactions on a catalyst surface. The method and reversible and may be operated as an electric generator us reactions.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00679 /KOLA	(22) Date of filing : 20.5.2002
(54) Title : METHOD AND DEVICE FOR DISPLAYING INFORMATION WITH RESPECT TO SELECTED IMAGE ELEMENTS OF IMAGES OF A VIDEO SEQUENCE	(51) International Classification : H04N 5/445

(71) Name of the Applicant : STARZONE GMBH	
Address of the Applicant : EXPO PLAZA 12, D-30539 HANNOVER GERMANY	
(72) Name of the Inventors : 1. OTTO CHRISTIAN. 2. KNISCHEWSKI FRANK	
(30) Priority Data :	(31) Document No: 199B 59 939.5 AND 100 33 134.3
	(32) Date : 21.10.1999 AND 7.7.2000
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to method for displaying information with respect to selected element. The aim of the invention is to simplify the interactive work via, for example, a frame. To this end, an image element is selected from the images of a video sequence with which an information is associated. The selection proceeds partially via an additional image element or signal element that is likewise presented on the display unit that displays the frame.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00680 /KOLA	(22) Date of filing : 21.5.2002
(54) Title : OXYGEN DISPENSER	(51) International Classification : B01D 53/00

(71) Name of the Applicant : OXYGEN LEISURE PRODUCTS LIMITED	
Address of the Applicant : MERIDIAN HOUSE , 202-204, FINCHLEY ROAD, LONDON NW3 6PS UNITED KINGDOM	
(72) Name of the Inventors : 1. SIMILAR, DOMINIC ADAM	
(30) Priority Data :	(31) Document No: 9928221.2
	(32) Date : 30.11.1999
	(33) Country : UK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** An oxygen dispenser for dispensing substantially pure oxygen or highly oxygen enriched air, which dispenser comprises an oxygen concentrator or an oxygen/oxygen" enriched air-containing cylinder in fluid communication with a dispenser outlet via pipework, a flow control valve to control flow of oxygen or oxygen-enriched air to the dispenser outlet, the flow control valve being under the control of a controller the dispenser unit further having a card reader for a mag-stripe, swipe card, smart card or similar or a receiver for credit tokens or other data credit, input means whereby credit units may be input to the dispenser controller to dispense oxygen or oxygen enriched air.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00681A	(22) Date of filing : 21/05/2002
(54) Title : INTEGRATED CIRCUIT PACKAGE.	(51) International Classification : H01L 23/498, H05K 1/03
(71) Name of the Applicant : INTEL CORPORATION	
Address of the Applicant : 2625 WALSH AVENUE, SANTA CLARA, CA 95051, USA.	
(72) Name of the Inventors : SANKMAN BOB, AZIMI HAMID.	
(30) Priority Data :	(31) Document No: 09/453,007
	(32) Date : 02/12/1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : An integrated circuit package is provided that includes a multi-layer organic substrate. The substrate has conductive vias provided between isolated conductive layers. The vias are formed using a laser to cut through a dielectric layer—separating the conductive layers. External interconnects in the form of T-shaped pins are soldered to the substrate of the integrated schweemag lunbder. An integrated circuit can be attached to the substrate using a flip-chip technique.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00682/KOL/A	(22) Date of filing : 21.5.2002
(54) Title : EAR PIERCING SYSTEMS WITH HINGED HOOP EARRINGS	(51) International Classification : A44C 7/00

(71) Name of the Applicant : REIL VLADIMIR	
Address of the Applicant : 521 WEST ROSECRANS AVENUE LOS ANGELES CA 90248- 1514 , UNITED STATES OF AMERICA.	
(72) Name of the Inventors : REIL VLADIMIR	
(30) Priority Data :	(31) Document No: 09/690, 311
	(32) Date : 17.10.2000
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A system for providing safe, effective ear-piercing is provided. The invention provides an earring cartridge carrying a stud having a post in a stud post holder assembly and a nut to slidably aligned, spaced apart, and oppositely opposed placement so that an ear part may be placed between the post and the nut for piercing wherein a torque-like force is produced on the stud post holder assembly causing the assembly to rotatably open when the earring cartridge is compressed to bring the stud towards the nut for engaging the post with the nut. The earring cartridge of the invention is adaptable for use with traditional style ear-piercing studs or with the novel hinged hoop earring of the present invention. Also provided is a novel nut with a backing shield that prevents the nut from sliding down along the stud post. A vertically stackable packing box maintains a sterile environment in which an earring cartridge with an ear-piercing earring stud may be transported and stored. An earring-cartridge stud gun provides a cradle into which the earring cartridge stud gun provides a cradle into which the earring cartridge may fit. The stud gun can be loaded and unloaded using the packing box in such a way that the operator need not touch the cartridge during either loading or unloading.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00683 /KOLA	(22) Date of filing : 21.5.2002
(54) Title : DEVICE FOR SORTING BILLS	(51) International Classification : G07D, 7/00, 9/00

(71) Name of the Applicant : KLUNKER, SCHMITT-NILSON HIRSCH.	
Address of the Applicant : PRINZREGENTENSTRASSE 159 81677, MUNCHEN, GERMANY	
(72) Name of the Inventors : 1. WARNER FRNAK. 2. WAGNAR ALOIS. 3. SPERL MARKUS. 4. LINCK RALF. 5. WEILACHER HARMANN 6. THOMA STEFAN. 7. GESSLER HARMANN.	
(30) Priority Data :	(31) Document No: 199 58 017.0
	(32) Date : 2.12.99
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The present invention relates to a bank note sorting apparatus.

Known such apparatuses have the disadvantage of not being user-friendly since the transport path of the bank notes is not readily accessible to a user due to the elaborate mechanical design of the transport system. Bank notes that block the transport system due to faulty transport can therefore not be readily removed.

In the present invention this disadvantage is avoided by the bank note sorting apparatus consisting of at least three parts, with one part disposed in the middle and at least two parts removable therefrom, thereby obtaining easy access to the transport system.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00684/KOL A	(22) Date of filing : 21/05/2002
(54) Title : TUBLEAR CULVERT INTERIOR LINING METHOD AND LINING APPARATUS WITH SIMULTANEOUS INJECTION OF BACK- FILLING MATERIAL	(51) International Classification : F 16 L 55/165

(71) Name of the Applicant : ADACHI CONSTRUCTION INDUSTRY CO. LTD., AND SEKISUI CHEMICAL CO. LTD	
Address of the Applicant : 47-13, MINAMIKEBUKURO 2-CHOME, TOSHIMA-KU, TOKYO 171-002, JAPAN 4-4 NISHITEMMA 2-CHOME, KITA-KU, OSAKA-SHI, OSAKA, 530-8565, JAPAN	
(72) Name of the Inventors : 1. AKIMOTO EKIKI. 2. YAMASHIRO HAMAO. 3. SUGAHRA HIROSHI. 4. YOKOYAMA YUZO. 5. IMAGAWA AKIRA. 6. KITAHASHI NAOKI. 7. KITAYAMA YASUSHI.	
(30) Priority Data :	(31) Document No: 2000/377464
	(32) Date : 12.12.2000
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** In lining work in which a lining pipe R formed by spirally winding a strip-like member 500 consisting of an elongated sheet-form body is left in place inside a tubular culvert P, and a new lining pipe is additionally formed in front of this lining pipe

that has been left in place, a lining apparatus S which has a flexible forming frame 1 consisting of link bodies is used. The strip-like member 500 is wound around the forming frame 1 by means of a joining mechanism part 7 attached to the forming frame 1, and a lining pipe R is formed while being forcibly folded inward utilizing the flexibility of the forming frame 1; at the same time, a back-filling material is injected into the inward-folded part. The inward-folded part later returns to its original state. Alternatively, the diameter of a small-diameter lining pipe R formed by winding around the forming frame 201 or 401 is expanded, and lining is performed with the back-filling material injected during this diameter expansion process.

As a result of this lining work, a lining pipe R that fills the cross section of the tubular culvert P is formed;

at the same time, back-filling work is performed on this long lining pipe.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00685 /KOLA	(22) Date of filing : 21/5/2002
(54) Title : METHOD AND APPARATUS FOR SEPARATING NON-METALLIC MATERIALS.	(51) International Classification : B23K 26/40, 26/14; C03B 33/09

(71) Name of the Applicant : APPLIED PHOTONICS, INC.	
Address of the Applicant : 12565 RESEARCH PARKWAY, SUITE 300, ORLANDO, FL 32826, USA.	
(72) Name of the Inventors : HOEKSTRA, BRIAN, FLANNIGAN, ROGER, WEGERIF, DAVID.	
(30) Priority Data :	(31) Document No: 60/167,285
	(32) Date : 24.11.1999
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract :*

A method and apparatus for splitting non-metallic substrates includes a laser for generating a laser beam. An integrated cracking devices receives the laser beam and directs the laser beam onto a non-metallic substrate to define the heat affected zone and quench the substrate at a quenching region contained within the heat affected zone. This integrated cracking device includes a housing and optics fitted within the housing for receiving and directing the laser beam onto the substrate. A quenching nozzle is mounted on the housing for quenching the substrate at a quenching region defined within the heat affected zone.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00686 /KOLA		(22) Date of filing : 21.5.2002
(54) Title : AN ADAPTIVE VIDEO IMAGE INFORMATION PROCESSING SYSTEM.		(51) International Classification : H04N 7/167, 5/913
(71) Name of the Applicant : THOMSON LICENSING S.A.		
Address of the Applicant : 46, QUAI ALPHONSE LE GALLO, F-92648 BOULOGNE CEDEX, FRANCE.		
(72) Name of the Inventors : HORLANDER, KARL, FRANCIS.		
(30) Priority Data :	(31) Document No: 09/454,398 , 09/712,539	
	(32) Date : 03.12.1999, 14.11.2000	
	(33) Country : US	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract :*

Video image information is received in a signal including conditional access information. The conditional access information is associated with one of a plurality of picture resolution formats for recording, reproducing and displaying the video image information. The conditional access information in the received signal is decoded. A format for at least one of recording, reproducing and displaying the video image information is adaptively selected in response to the decoded conditional access information. The video image information is then processed using the selected format. The conditional access information may further include information indicating a predetermined time period during which reproduction of recorded video image information is permitted.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00687/KOL A	(22) Date of filing : 21.5.2002
(54) Title : IMAGING TABLE LEVELING SYSTEM.	(51) International Classification : A61B 6/04

(71) Name of the Applicant : GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY COMPANY LLC.	
Address of the Applicant : 3000 NORTH GRANDVIEW BOULEVARD , WAUKESHA, WI 53188 , USA.	
(72) Name of the Inventors : BROWN, STEPHEN, JAMES, PATTEE, JEFFREY, WAYNE, ODELL, ROBERT, WILLIAM.	
(30) Priority Data :	(31) Document No: 09/690,496
	(32) Date : 17.10.2000
	(33) Country : US
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : An imaging table leveling system (100) for use with a medical imaging device is provided which levels an imaging table with respect to true level. The imaging table leveling system (100) levels an imaging table before the imaging table is floated, or while the imaging table is floating. The system includes an imaging table, an inclinometer (120), a processing unit (130), and actuators (140). The inclinometer (120) continuously measures table angle data (121). When activated, the processing unit (130) receives the table angle data (121) from the inclinometer (120). The processing unit (130) then compares the table angle data (121) to a stored level constant (135). The stored level constant (135) is a measurement of true level. The processing unit (130) then commands the actuators (140) to move the imaging table until the table angle data (121) matches the stored level constant (135). The table angle data (121) is also used to correct differences in actuator (142, 144) rates during tilt or roll motions.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00688 /KOLA	(22) Date of filing : 21.5.2002
(54) Title : PREPARATION OF DATA FOR A REED – SOLOMON DECODER.	(51) International Classification : H03M 13/00 ; G11B 20/18

(71) Name of the Applicant : THOMSON LICENSING S.A.	
Address of the Applicant : 46 QUAI A, LE GALLO, F-92100 BOULOGNE-BILLANCOURT, FRANCE.	
(72) Name of the Inventors : FREISSMANN, LOTHAR	
(30) Priority Data :	(31) Document No: 99125014.3
	(32) Date : 15.12.1999
	(33) Country : EP
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

**The present invention relates to a method and an arrangement for preparation of data for a Reed - Solomon decoder and more particularly to a method and an arrangement for an intelligent buffer (IBUF) in front of a ramless DVD Reed - Solomon decoder and further on particularly to a method and an arrangement for an intelligent buffer (IBUF) used also as a first pass correction storage of ECC- blocks.**

**In such a way, the Reed - Solomon decoder will not get disordered ECC blocks by an intelligent buffer (IBUF) that leads to less necessary RAM and a high performance of the complete circuitry. The intelligent buffer (IBUF) is used as a first pass correction storage of the Reed Solomon decoder too.**

**Fig. 1**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00689/KOLA	(22) Date of filing : 21.5.2002
(54) Title : DISPLAY CORRECTION WAVEFORM GENERATOR FOR MULTIPLE SCANNING FREQUENCIES.	(51) International Classification : H04N 3/26, 3/27, 3/233

(71) Name of the Applicant : THOMSON LICENSING S.A.	
Address of the Applicant : 46 QUAI A. LE GALLO, F-92100 BOULOGNE-BILLANCOURT, FRANCE.	
(72) Name of the Inventors : GLEIM, GUENTER, HEIZMANN FRIEDRICH, GEORGE, JOHN BARRETT, RUNTZE, ALBERT.	
(30) Priority Data :	(31) Document No: 99125475.6
	(32) Date : 21.12.1999
	(33) Country : EP
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

- 5 A method for generating display correction waveforms for a CRT display comprises the steps of selecting one of a plurality of trace portions for forming part of a correction waveform, the trace portions having different average values. Completing each of the correction waveform by combining each
- 10 selected trace portion with a respective retrace portion such that all completed correction waveforms have a predetermined average value. The correction waveforms may have vertical and/or horizontal rates.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00690/KOLA	(22) Date of filing : 21.5.2002
(54) Title : METHOD FOR MAPPING FORMAT IDENTIFICATION BITS ONTO A FRAME WHICH IS TO BE TRANSMITTED USING A COMPRESSED MODE.	(51) International Classification : H04B 7/26, H04Q 7/38

(71) Name of the Applicant : SIEMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHER PLATZ 2, 80333 MÜNCHEN, GERMANY.	
(72) Name of the Inventors : SENNINGER CHRISTIAN, RAFF BERNHARD.	
(30) Priority Data :	(31) Document No. : 199 56 492.2
	(32) Date : 24.11.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :**

Method for mapping format identification bits onto a frame which is to be transmitted using a compressed mode

In the compressed mode, more TFCI points are available than TFCI bits. In order to fill the excess TFCI points with bits as well and at the same time to achieve as high a performance capability as possible, it is proposed that the TFCI bits be repeated in a skillful manner for the uplink and/or downlink.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00691 /KOLA	(22) Date of filing : 21.05.2002
(54) Title : METHOD FOR REPRESENTING FORMAT INDICATOR BITS IN A FRAME TO BE SENT IN COMPRESSED MODE	(51) International Classification : H04B 7/26

(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
(72) Name of the Inventors : 1. SENNINGER CHRISTIAN. 2. RAAF BERNHARD	
(30) Priority Data :	(31) Document No: 199 56 492.2
	(32) Date : 24.11.99
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : Method for mapping format identification bits onto a frame which is to be transmitted using a compressed mode

In the compressed mode, more TFCI points are available than TFCI bits. In order to fill the excess TFCI points with bits as well and at the same time to achieve as high a performance capability as possible, it is proposed that originally punctured TFCI bits and/or an unpunctured format identification code word be transmitted for the uplink and/or downlink.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00692 /KOLA	(22) Date of filing : 21.5.2002
(54) Title : PROCESS FOR PREPARING THIENOPYRIMIDINES	(51) International Classification : C07D 495/04

(71) Name of the Applicant : MERCK PATENT GMBH	
Address of the Applicant : FRANKFURTER STRASSE 250, 64293, DARMSTADT, GERMANY	
(72) Name of the Inventors : 1. JURASZYK HORST DR. 2. WENDEL PETER DR. 3. WOISSYK MARKUS	
(30) Priority Data :	(31) Document No: 199 58926.7
	(32) Date : 7.12.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract* : The invention relates to a method for producing compounds of formula (I). A 2-aminobenzothiophene-3-carbonic acid ester of formula (II) is reacted with a nitrile of formula (III) in a solvent in solution or suspension in the presence of an acid.

**PUBLICATION AFTER 18 MONTHS**

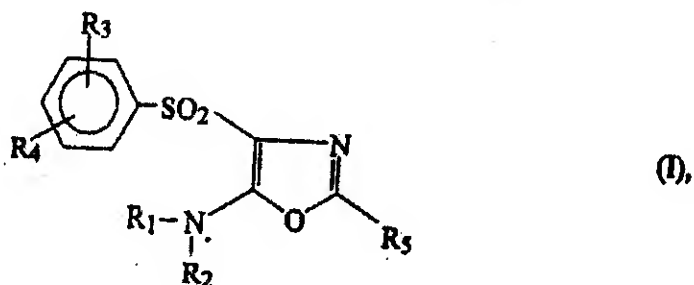
*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00693 /KOLA	(22) Date of filing :  21.05.2002
(54) Title : NOVEL SULFONYLOXAZOLAMINES	(51) International Classification : c07d 263/00

(71) Name of the Applicant : MERCK PATENT GMBH	
Address of the Applicant : FRANKFURTER STRASSE 250 64293, DARMSTADT, GERMANY	
(72) Name of the Inventors : 1. GERICKE ROLF DR. . MED. CHEM. HK 2. BOTTCHER HENNING DR. 3. GASSEN MICHAEL DR. 4. GREINER HARTMUT DR.	
(30) Priority Data :	(31) Document No: 199 56 791.3
	(32) Date : 25.11.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

Abstract :

The invention relates to compounds of the general formula (I)



where

$R_1$  and  $R_2$  independently of one another are H,  $-R_6$ ,  $C_3-C_8$ -cycloalkyl,  $-(CH_2)_n-R_7$ ,  $-(CH_2)_n-O-R_6$ ,  $-(CH_2)_n-NH_2$ ,  $-(CH_2)_n-NHR_6$ ,  $-(CH_2)_n-N(R_6)_2$ ,  $C_2-C_6$ -alkenyl or, where appropriate, together form a mononuclear saturated heterocycle having one or two nitrogen, oxygen and/or sulfur atoms,

$R_3$  and  $R_4$  independently of one another are H,  $-R_6$ ,  $-CF_3$ ,  $-NO_2$ ,  $-Hal$ ,  $-OH$ ,  $-O-R_6$ ,  $-NH_2$ ,  $-NH-R_6$  or  $-N(R_6)_2$ ,

$R_5$  is a 5- or 6-membered, saturated or unsaturated heterocycle having one or two nitrogen, oxygen and/or sulfur atoms which may be mono- or disubstituted by  $R_6$ ,  $-CF_3$ ,  $-NO_2$ ,  $-Hal$ ,  $-OH$ ,  $-O-R_6$ ,  $-NH_2$ ,  $-NH-R_6$  or  $-N(R_6)_2$ , and

$R_6$  is  $C_1-C_6$ -alkyl,

$R_7$  is  $R_3$ - and/or  $R_4$ -substituted phenyl,

$n$  is 0 to 2,

and physiologically acceptable salts or solvates thereof.

The invention also relates to the use of the compounds of the general formula I as medicaments.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00697 /KOLA	(22) Date of filing :  24.5.2002
(54) Title : FLEXIBLE HEAD SUPPORT	(51) International Classification : A61G 13/12

(71) Name of the Applicant : HUNTLEIGH TECHNOLOGY PLC.	
Address of the Applicant : 310-312 DALLOW ROAD, LUTON BEDFORDSHIRE LU11TD, UK	
(72) Name of the Inventors : CHAPMAN PAUL WILHAM 2. COLLINCE SIMON	
(30) Priority Data :	(31) Document No: 0023614.1
	(32) Date : 27.9.2000
	(33) Country : UK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A head support apparatus (10) when positioning a person in a prone position comprises a base (199) slidable under a support surface. The base has a control supporting post(12) supporting a frame (16) carrying a head support tray (18). A pressure reducing ring (23) is mounted on the head support tray (18) by straps (24). Contact points along the surface of the pressure reducing ring (23) are protected by a fitted pads (25) designed to improve comfort levels for the user. The pressure reducing ring (23) is clear and comprises a multi-channel air bladder to allow alternating, inflating and deflation of individual chambers to provide pressure relief. The visual and physical access to the users head facial area is maintained at all times. The structure is self stabilising and can be used with most bed frames, or independently.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00695/KOLA		(22) Date of filing : 22/05/2002
(54) Title : CONTAINER LID WITH TEAR-OFF STRIP.		(51) International Classification : B 65 D 43/02
(71) Name of the Applicant : TOP GRADE MOLDS LTD.,		
Address of the Applicant : 929 PANTERA DRIVE, MISSISSAUGA, ONTARIO L4W 2R9, CANADA.		
(72) Name of the Inventors : CICCONE VINCE		
(30) Priority Data :	(31) Document No: 09/451,421	
	(32) Date : 30/11/1999	
	(33) Country : U.S.	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract :*

(57) Abstract: A plastic container lid (10) is disclosed for a container (12) having double locking flanges (18, 20) around its upper peripheral edge for locking engagement with the lid. The lid has a central portion (14) and a peripheral annular skirt (16). The skirt has an annular groove (30) dividing the skirt into an upper portion (32) and a lower tear-off strip portion (34). The upper portion has intermittent locking flange segments (36) for engaging one of the container locking flanges. The tear-off strip portion has a second locking flange (38) for engaging the other of the container locking flanges. Openings (40) are formed in the skirt upper portion on either side of the intermittent locking flange segments (36) and bordering on the annular groove (30), so that the openings form weakening notches upon removal of the tear-off strip portion (34) to facilitate upward deflection of the lid annular skirt (16) in the area of the intermittent flange segments (36) to facilitate removal of the lid.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00696/KOLA</i>	<i>(22) Date of filing : 22.5.2002</i>
<i>(54) Title :</i> METHDO FOR OPERATING A CELLULAR TELECOMMUCATIONS NETWORK,AND METHOD FOR OPERATING A PERSONAL CELLULAR TELECOMMUNICATIONS DEVICE	<i>(51) International Classification :</i> C05C 9/00 C05F 11/08 , C05G 5/00

<i>(71) Name of the Applicant :</i> CELLTICK TECHNOLOGIES LTD.	
<i>Address of the Applicant : SUITE . 4 1827, SW BEAVERTON HIGHWAY, PORTLAND OR 97201, UNITED STATES OF AMERICA.</i>	
<i>(72) Name of the Inventors : 1. SLATER STACEY C.</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 60/169.740</i>
	<i>(32) Date : 8.12.1999</i>
	<i>(33) Country : UNITED STATES OF AMERICA.</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** Calcium cyanamide compositions and methods for their use are disclosed. The compositions and methods stabilize active ionic compositions comprising calcium cyanamide and enhance the effectiveness of calcium cyanamide alone or synergistically in combination with nitrogen containing materials such as urea and organics, for example; manures. The compositions and methods also facilitate controllable site directed delivery of the contents of the stabilized compositions. The compositions and methods are effective for fertilizing, soil amending, metal stabilizing and odor and organism inhibition. The compositions are stable, easily calibrated, and non-clogging for spray delivery to target sites.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00697/KOL/A	(22) Date of filing : 22.5.2002
(54) Title : METHOD FOR MONITORING THE RADIAL GAP BETWEEN THE ROTOR AND THE STATOR OF ELECTRICAL GENERATORS, AND AN APPARATUS FOR CARRYING OUT THIS METHOD	(51) International Classification : H02K 11/00

(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT	
Address of the Applicant : WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
(72) Name of the Inventors : 1. SCHEIL HARMANN    2. BRIENDL DIETER	
(30) Priority Data :	(31) Document No: 199 61 528.4
	(32) Date : 20.12.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No.    filed on	
(62) Divisional to Application no.    filed on	

**Abstract** : The invention relates to a method for monitoring the radial gap (10) between the rotor (6) and the stator (8) of an electric generator (2). The aim of the invention is to provide a method that allows an especially reliable analysis of the shape of the radial gap (10) during operation of the generator (2). To this end, a measuring cycle is carried out in the stationary and balanced operating mode of the generator at defined intervals. In every measuring cycle, current parameters (120) of the radial gap (10) are determined from current marginal values (50) of the generator (2), from current influential values (80) of the generator (2) and from current measuring data (100). These parameters are used to determine and evaluate the shape of the radial gap (10) and the distance between the rotor (6) and the stator (8) by comparing them with reference parameters. The inventive method allows to better predict when repairs have to be made.



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00698, KOLA	(22) Date of filing : 22.5.2002
(54) Title : METHOD FOR OPERATING A CELLULAR TELECOMMUNICATIONS NETWORK, AND METHOD FOR OPERATING A PERSONAL CELLULAR TELECOMMUNICATIONS DEVICE	(51) International Classification :  H04B

(71) Name of the Applicant : CELLTICK TECHNOLOGIES LTD.	
Address of the Applicant : 7 HAGALIM AVE, HERZLIYA 46725 IRELAND.	
(72) Name of the Inventors : 1. DANIEL RONEN. 2. BRON URI 3. WELLINGSTEIN YOSHI	
(30) Priority Data :	(31) Document No: 134035
	(32) Date : 13.1.2000
	(33) Country : IRELAND
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** For use in a cellular telecommunications network including a plurality of individually addressable Base Transceiver Stations (BTSS) providing bidirectional signal coverage over a predefined geographical area, capable of transmitting Point- To-MultiPoint (PTMP) messages over a Point- To-MultiPoint Service (PTMPS) functionality, and capable of transmitting Point- To-Point (PTP) messages, streaming of a substantially continuous stream of mostly different content, at least some interactive display messages on at least one personal cellular telecommunication~ device prior to their automatic discarding irrespective of their having been displayed or not.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00699 /KOLA	<i>(22) Date of filing :</i> 23.5.2002
<i>(54) Title : TOOTHBRUSH</i>	<i>(51) International Classification :</i> A46B 9/04

<i>(71) Name of the Applicant :</i> GLAXOSMITHKLINE CONSUMER HEALTHCARE GMBH & CO.KG	
<i>Address of the Applicant : BUSSMATTEN 1, 77815 BUCHL (BADEN) DE</i>	
<i>(72) Name of the Inventors : KRAMER HANS</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 9927037.3</i>
	<i>(32) Date : 17.11.1999</i>
	<i>(33) Country : GB</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** A toothbrush with a replaceable head, in which the handle has a socket and the head has a socket and the head has pin (14) for insertion into the socket (16) , and the socket side walls or the pin comprise a resiliently deformable elastomer material (32) different to the material of the socket side walls walls-pins. A preferred form of the toothbrush has its socket in a tubular structure resiliently supported between two fork-like arms.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00700 KOLA</i>	<i>(22) Date of filing : 23-05-2002</i>
<i>(54) Title : METHOD AND INSTALLATION FOR REDUCING ELEMENTARY HALOGEN IN A GASEOUS EFFLUENT</i>	<i>(51) International Classification : B01D 53/68</i>

<i>(71) Name of the Applicant : ATOFINA</i>	
<i>Address of the Applicant : 4/8 COURS MICHELET LA DEFENSE 10, F-92091 PARIS LA DEFENSE CEDEX, FRANCE</i>	
<i>(72) Name of the Inventors : LEDUC PHILIPPE</i>	
<i>(30) Priority Data :</i>	<i>(31) Document No: 99/15412</i>
	<i>(32) Date : 07.12.999</i>
	<i>(33) Country : FRANCE</i>
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** The invention relates to a method for reducing the elementary halogen contained in a gaseous effluent from a combustion furnace for combusting halogenated residues, comprising the bringing of said effluent into contact with hydrazine. The invention also relates to a device or an installation for treating a gaseous effluent from a combustion furnace (1) for combusting halogenated residues, comprising a unit (6, 10, 14) in which the gases are brought into contact with an aqueous solution of hydrazine. Finally, the invention relates to a solution of halohydric acid containing hydrazine.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00701 (KOLA)		(22) Date of filing : 23.05.2002
(54) Title : METHODS OF FORMATION OF A SILICON NANOSTRUCTURE, A SILICON QUANTUM WIRE ASSAY AND DEVICES BASED THEREON		(51) International Classification : HO1L 21/265, 21/335, 29/12
(71) Name of the Applicant : SCEPTRE ELECTRONICS LIMITED		
Address of the Applicant : BEL ROYAL HOUSE, HILLGROVE STREET, ST HELIER, GREAT BRITAIN		
(72) Name of the Inventors : SMIRNOV VALERY KONSTANTINOVICH, KIBALOV DMTRI STANISLAVOVICH		
(30) Priority Data :	(31) Document No: 99124768	
	(32) Date : 25/11/1999	
	(33) Country : GREAT BRITAIN	
(61) Patent of addition to Application No. filed on		
(62) Divisional to Application no. filed on		

*Abstract : A process for controllably forming silicon nanostructures such as a silicon quantum wire array. A silicon surface is sputtered by a uniform flow of nitrogen molecular ions in an ultrahigh vacuum so as to form a periodic wave-like relief in which the heights of said relief are level with the silicon-insulator border of the SOI material. The ion energy, the ion incidence angle to the surface of said material, the temperature of the silicon layer, the formation depth of the wave-like relief, the height of said wave-like relief and the ion penetration range into silicon are all determined on the basis of a selected wavelength of the wave-like relief in the range of 9 nm to 120 nm. A silicon nitride mask having pendant edges is used to define the area of the silicon surface on which the silicon array is formed. Impurities are removed from the silicon surface within the mask window prior to sputtering. For the purpose of forming a silicon quantum wire array, the thickness of the SOI silicon layer is selected to be greater than the sum of said formation depth, said height and said ion*

value of a secondary ion emission signal from the SOI insulator. The nanostructure may be employed in optoelectronic and nanoelectronic devices such as a FET.

### PUBLICATION AFTER 18 MONTHS

The following Patent Applications have been published under section 11A of the Patents (Amendment ) Act, 2002

Application No. IN/PCT/2002/00703, KOLA.	(22) Date of filing : 23/05/2002
(54) Title : PERSONAL PREGNANCY TESTING KIT	(51) International Classification : GOIN 33/53, 33/553

(71) Name of the Applicant : TITMAS TED.	
Address of the Applicant : 26012 MARGUERITA PARKWAY #H204, MISSION VIEJO, CA 92692, UNITED STATES OF AMERICA	
(72) Name of the Inventors : TITMAS TED	
(30) Priority Data :	(31) Document No: 09/432,449
	(32) Date : 02.11.1999
	(33) Country : UNITED STATES OF AMERICA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A personal pregnancy testing kit utilizing hormone-sensitive pads which are stored in a package that permits the storage of the hormone-sensitive pads within its interior without exposing the hormone-sensitive pads to ultraviolet light, moisture or air. The kit comprises at least one-pad being chemically sensitive to a predetermined hormone. The hormone-sensitive pads are stored in a package that is preferably formed from aluminium foil and paper and that is free from air. The hormone testing kit may test for the presence of one or more of the following hormones: "HCG", estrogen, and progesterone.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00704, KOLA.	(22) Date of filing : 23/05/2002
(54) Title : ENCODING DEVICE	(51) International Classification : HO4L 9/00

(71) Name of the Applicant : INFINEON TECHNOLOGIES AG	
Address of the Applicant : ST. MARTIN STRASSE 53 81669 MUNCHEN, GERMANY	
(72) Name of the Inventors : BOECKELER GREGOR	
(30) Priority Data :	(31) Document No: 99121760.5
	(32) Date : 03.11.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to an encoding device which is used to create a cryptographic encoding and/or assess authorization, comprising a data processing unit(1,1), a decoupling unit(2), a power supply interface(SV) and a main clock pulse supply unit(3). A power profile(SP2) is generated by a power profile generator(4) in such a way and is superimposed upon a power profile (SP1,SP1) of the data processing unit(1,1) that it is possible to repel an attack using correlaton analysis of the power profile. The most conventional power profile analysis methods are the differential power analysis(DPA) and the high-order differential power analysis(HO-DPA).*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00705/KOLA	(22) Date of filing : 23/05/2002
(54) Title : METHOD OF PRODUCING N-(4,5-BIS-METHANESULFONYL-2-METHYL-BENZOYL)-GUANIDIN, HYDROCHLORID	(51) International Classification : CO7C 315/00

(71) Name of the Applicant : MERCK PATENT GMBH	
Address of the Applicant : FRANKFURTHER STRASSE 250, 64293 DARMSTADT, GERMANY	
(72) Name of the Inventors : GERICKE ROLF	
(30) Priority Data :	(31) Document No: 199 51 418.6
	(32) Date : 26.10.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The present invention relates to an NHE-1 selective Na<sup>+</sup>/H<sup>+</sup> antiporter inhibitor N-(4,5-bismethanesulfonyl-2-methylbenzoyl)guanidine, hydrochloride, to its hydrochloride hydrate, and to a process for the preparation*

**A.S**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00706, KOLA	(22) Date of filing : 23/05/2002
(54) Title : FILMS FOR ELECTROCHEMICAL COMPONENTS AND A METHOD FOR PRODUCTION THEREOF	(51) International Classification : HO1M 10/40

(71) Name of the Applicant : FRAUNHOFER-GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN FORSCHUNG E. V.	
Address of the Applicant : LEONRODSTRASSE 54, 80636 MUNCHEN, GERMANY	
(72) Name of the Inventors : BIRKE, PETER, SALAM, FATIMA	
(30) Priority Data :	(31) Document No: 199 57 285.2
	(32) Date : 29.11.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to a paste-like mass, which may be used in electrochemical components and which comprises a heterogeneous mixture of (1.) a matrix (A), comprising at least one organic polymer, pre-cursors or pre-polymers thereof, or the named components, (2.) an inorganic material in the form of a solid substance (B), which may be electrochemically activated and is not soluble in either water or the matrix and (3.) a material (C), which can improve the transport and storage of electrolyte fluids in(to) the component, with the proviso, that said material (C) is not a material which possesses conductivity-improving properties when the solid substance (B) is made from a material suitable as electrode material. Layers (foils) and layered electrochemical composites may be produced from said mass, which may subsequently be impregnated with an electrolyte solution, preferably an electrolyte dissolved in the plastifier agents for matrix (A). Electrochemically active components, for example batteries and accumulators, may be produced in this manner.*

A.S



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00707/KOLA	(22) Date of filing : 24/05/2002
(54) Title : PROOF THAT THE CONTRACTION OF THE CALF CANNOT INCREASE PRESSURE ON THE PEDAL AND MECHANISMS CAPITALIZING ON THIS FUNDAMENTAL DISCOVERY	(51) International Classification : B62M 1/02

(71) Name of the Applicant : ANDRE JACQUES	
Address of the Applicant : P.O. BOX 461, CITY- L'ANNONCIATION , STATE- QUEBEC , CANADA	
(72) Name of the Inventors : ANDRE JACQUES	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country : CANADA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

To understand this invention, one must have an IN-DEPTH UNDERSTANDING of the following DISCOVERY which involves the CALF when applying pressure on a pedal, two

5 OPTICAL ILLUSIONS which tricked the WHOLE W WORLD (fig 21 and 22 symbolizing a lower limb applying pressure on a pedal, 6 being the thigh, 11 the leg, A+B the foot and 1 the heel). The first ILLUSION (fig 21) consists in believing that the calf (M) INCREASES the pressure on the pedal. The second ILLUSION (fig 22) is NOT to see force M' which cancels force M. The TOTALITY of the PRESSUE on the pedal comes from the THIGH ALONE, the contraction of the CALF being a WASTE OF ENERGY. The invention consists of REPLACING the pedal by a mechanism allowing to AVOID THE USE OF THE CALF thus MULTIPLYING by TWO the efficiency WITHOUT LOSS OF POWER!

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00708/KOLA	(22) Date of filing : 24/05/2002
(54) Title : NOVEL <i>HELICOBACTER</i> PYLORI-BINDING SUBSTANCES AND USE THEREOF	(51) International Classification : A61K 31/702, A61P 1/04, 31/04

(71) Name of the Applicant : A+SCIENCE INVEST AB	
Address of the Applicant : BOX 3096, S-400 10 GOTEORG, SWEDEN	
(72) Name of the Inventors : KARLSSON KARL-ANDERS, LEONARDSSON IRENE, TENEBERG SUSANN, ANGSTROM JONAS	
(30) Priority Data :	(31) Document No: 9904581-7
	(32) Date : 15/12/1999
	(33) Country : SWEDEN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : Helicobacter pylori-binding substances comprising Gal $\beta$ 3GlcNAc or Gal $\beta$ 3GalNAc are described, as well as use thereof in pharmaceutical compositions and food-stuff, and methods for treatment of conditions due to the presence of Helicobacter pylori. Also use of said substance for the identification of bacterial adhesions, for the production of a vaccine against Helicobacter pylori, for diagnosis of Helicobacter pylori infections, for typing of Helicobacter pylori, for identification of Helicobacter pylori binding substances and for inhibition of the binding of Helicobacter pylori is described.*

**A.S**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00709 KOLA	(22) Date of filing : 24/05/2002
(54) Title : PRODUCTION OF TWO ALKALI METAL SALTS BY A COMBINED ION EXCHANGE AND CRYSTALLISATION PROCESS	(51) International Classification : CO1B 25/30, CO1D 9/04

(71) Name of the Applicant : KEMIRA AGRO OY	
Address of the Applicant : PORKKALANKATU 3, FIN-00180 HELSINKI, FINLAND	
(72) Name of the Inventors : MATHIESEN FLEMMING	
(30) Priority Data :	(31) Document No: 19992606
	(32) Date : 03/12/1999
	(33) Country : FINLAND
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates a process for producing an alkali metal nitrate and an alkali metal phosphate in the same process from a phosphate raw material and a nitrate raw material comprising the steps of:*

- a) reacting the phosphate raw material with the nitrate raw material to provide an aqueous nitrophosphate feed, optionally followed by the separation of solid material,*
- b) introducing the aqueous nitrophosphate feed into a first ion exchange step comprising an alkali metal-loaded cationic exchange resin for exchanging cations present in the feed with alkali metal ions present on the resin to obtain a stream enriched in alkali metal ions,*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00710/KOLA	(22) Date of filing : 24/05/2002
(54) Title : A DEVICE IN A SPINNING MACHINE FOR CONDENSING A FIBRE STRAND	(51) International Classification : DO1H 5/72, DO1H 5/86

(71) Name of the Applicant : MASCHINENFABRIK RIETER AG.	
Address of the Applicant : KLOSETERSTRASSE 20, CH 8406 WINTERTHUR, SWITZERLAND	
(72) Name of the Inventors : STAHLECKER FRITZ	
(30) Priority Data :	(31) Document No:
	(32) Date : 09/11/2000
	(33) Country : SWITZERLAND
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A condensing device for condensing a drafted, but still twist-free fibre strand is arranged downstream of the front roller pair of a drafting unit of a spinning machine. An air-permeable transport belt transports the fibre strand through the condensing zone, which is arranged to a suction channel. A sliding surface which guides the transport belt is arranged at the suction channel, in which sliding surface a suction slit is located. At the end of the suction slit a nipping roller is present, which presses the fibre strand to the transport belt and the transport belt to the sliding surface at a nipping line. The sliding surface is partly formed by the outer contour of a replaceable insert inserted into the suction channel, which outer contour of the insert extends flush with the outer surface of the suction channel. The insert surrounds the suction slit completely and extends over the entire effective width of the nipping roller at least in the area of the nipping line.*

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- c) *subjecting the stream from step (b) to a first crystallisation under such conditions that an alkali metal nitrate is crystallised and separating the crystallised alkali metal nitrate from the mother liquor,*
- d) *introducing the mother liquor from step (c) into a second ion exchange step comprising an alkali metal-loaded cationic exchange resin for exchanging cations present in the mother liquor with alkali metal ions present on the resin to obtain a phosphate containing stream enriched in alkali metal ions, and*
- e) *subjecting the stream from step (d) to a second crystallisation under such conditions that an alkali metal phosphate is crystallised and separating the crystallised alkali metal phosphate from the mother liquor.*

**A.S****PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00711/KOLA.	(22) Date of filing : 24/05/2002
(54) Title : INTERFERENCE PIGMENTS WITH GREAT COLOR STRENGTH	(51) International Classification : CO9C 1/00, 3/06

(71) Name of the Applicant : MERCK PATENT GMBH	
Address of the Applicant : FRANKFURTHER STRASSE 250, 64293 DARMSTADT, GERMANY	
(72) Name of the Inventors : SCHMIDT CHRISTOPH, BERNHARDT KLAUS, SCHOEN SABINE, HEINZ DIETER	
(30) Priority Data :	(31) Document No: 199 51 871.8
	(32) Date : 28/10/1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to interference pigments with a great color strength that are based on multicoated platelet-shaped substrates that have at least one series of layers from (A) a highly refractive coating that consists of a mixture of TiO<sub>2</sub> and Fe<sub>2</sub>O<sub>3</sub> in ratio of 1:0.1 to 1:5 and optionally one or more metal oxides in amounts of ≤20 % by weight based on layer (A), (B) a colorless coating with a refractive index of n 1.8, (C) a colorless coating with a refractive index of n 1.8 (D) an absorptive coating with a refractive index of n 1.8, and outer protective layer.*

**A.S**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/007124/KOLA	(22) Date of filing : 27/05/2002
(54) Title : LOTTERY AWARD PROMOTIONAL METHOD AND SYSTEM	(51) International Classification : GO6F 17/60

(71) Name of the Applicant : GLOBAL ONLINE SYSTEMS LTD.	
Address of the Applicant : 8, PHILLIPS FOX TOWER, 209 QUEEN STREET, AUKLAND, NEW ZEALAND	
(72) Name of the Inventors : DUCKWORTH NOEL, BERRYMAN CHRIS	
(30) Priority Data :	(31) Document No: 501706
	(32) Date : 10/12/1999
	(33) Country : NEW ZEALAND
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : This invention relates to electronic point-of-sale, Internet or business promotional methods and systems and in particular to a sales promotion method which promotes customer purchases and loyalty at various merchant outlets. In particular, this invention is a retail promotional system in which shoppers making specific levels and types of purchases at participating merchant outlets are eligible to receive an entry in a lottery. In the preferred embodiment the entry comprises a game ticket containing lines of numbers that may win prizes in various divisions based on a match with numbers drawn at end of a lottery period. Alternatively, the shopper may be eligible for a voucher or instant prize.*

**A.S**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00713, KOLA	(22) Date of filing : 27/05/2002
(54) Title : METHOD AND APPARATUS FOR DELIVERING PROGRAM TO STORAGE MODULE OF MOBILE TERMINAL	(51) International Classification : GO6F 9/06, 9/445

(71) Name of the Applicant : NTT DOCOMO INC.	
Address of the Applicant : 11-1, NAGATACHO 2-CHOME, CHIYODA-KU, TOKYO 100-6150, JAPAN	
(72) Name of the Inventors : NATSUNO TAKESHI, ITAGAKI TAKATOSHI, MORIGUCHI ATSUSHI	
(30) Priority Data :	(31) Document No:
	(32) Date : 31/01/2001
	(33) Country : JAPAN
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A UIM 12 having a plurality of storage areas is built into or mounted in a mobile terminal 11. A contents server 19, upon receipt of a distribution request from the mobile terminal 11, distributes a program or data used at the time of program execution or the program itself through a network including a radio network. This program and the data or the program itself are stored in the storage area of the UIM 12 and not through the control unit of the mobile terminal 11.*

**A.S**

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/007 14/KOLA	(22) Date of filing : 27/05/2002
(54) Title : PATIENT SUPPORT APPARATUS	(51) International Classification : A61B 6/04

(71) Name of the Applicant : HUNTLEIGH TECHNOLOGY PLC	
Address of the Applicant : 310-312 DALLOW ROAD, LUTON, BEDFORDSHIRE LU1 1TD, GB	
(72) Name of the Inventors : HAYES, STEPHEN, HOLLYOAK, STEPHEN	
(30) Priority Data :	(31) Document No: 0025015.9
	(32) Date : 12/10/2000
	(33) Country : GB
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : A patient support consisting of a frame 22 supporting translucent support surface 24 elevated above the frame 22 by longitudinal channels 23. The channels 23 support an x-ray cassette tray 36 for sliding movement along the length of the frame 22. The x-ray cassette trays 36 can be loaded onto the channels 23 frame from either or both the head 30 and foot 32 ends of the frame 22. All of the patient support surface can be covered by the x-ray cassettes. In use, the x-ray cassette tray 36 is pulled out from the channels 23 and loaded with an x-ray cassette 38. The handle 39 is pulled out from within the tray 36 and locked into position against latch 38. The tray 36 is then slid back onto the channels 23 and the position of the cassette 38 within the tray 36 is indicated by the position of the indicator 66 visible along the side of the frame 22.*



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00715, KOLA	(22) Date of filing : 27.05.2002
(54) Title : PLANAR FLUORESCENT LAMP ASSEMBLY	(51) International Classification : H013 61/56, 61/32, 61/70

(71) Name of the Applicant : GENERAL ELECTRIC COMPANY

Address of the Applicant : 1 RIVER ROAD SCHENECTADY, NY 12345, UNITED STATES OF AMERICA.

(72) Name of the Inventors : OBERLE, JOSEPH C.

(30) Priority Data : (31) Document No: 09/692, 363

(32) Date : 19.10.2000

(33) Country : UNITED STATES OF AMERICA.

(61) Patent of addition to Application No. filed on

(62) Divisional to Application no. filed on

*Abstract : A fluorescent lamp assembly that has a planar configuration with an open area defined within the lamp tube. A low profile, integral common housing encloses a ballast and a portion of the lamp structure within the open area of the lamp tube. The housing mechanically secures the lamp tube and contains an electrical connector allow the lamp electronics to plug into an electrical main. The electronics and the lamp are contained in a common structure so they can be used, handled, and discarded as a single unit.*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00716 /KOLA	(22) Date of filing : 27.05.2002
(54) Title : SYSTEM FOR POWER TRANSFORMER DIFFERENTIAL PROTECTION	(51) International Classification : H02 H 7/045

(71) Name of the Applicant : SCHWEITZER ENGINEERING LABORATORIES, INC.	
Address of the Applicant : 2350 NORTHEAST HOPKINS COURT, PULLMAN, WA 99163, UNITED STATES OF AMERICA.	
(72) Name of the Inventors : 1. GUZMAN-CASILLAS ARMANDO 2. ALTUVE FERRER HECTOR. 3. ZOCHOLL, STANLEY E. 4. BENMOUYAL GABRIEL	
(30) Priority Data :	(31) Document No: 09/450, 808
	(32) Date : 29.11.1999
	(33) Country : UNITED STATES OF AMERICA.
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to a method for producing pig iron. Iron ore is reduced in a reduction shaft (1) for forming sponge iron which is subsequently introduced into the head of a melt-down gasifier (3). The sponge iron is melt open in said gasifier by means of a gasifying means that is also introduced into the head of the melt-down gasifier and an oxygen-containing gas and is melt-down to form liquid pig iron, whereby a reduction gas is produced at the same time. Said reduction gas is discharged from the head of the melt-down gasifier and is supplied to the reduction shaft for reducing the iron oxide. Operation of the melt-down gasifier is controlled in such a way that a reduction gas having a certain composition and being present in a certain amount is produced so that the sponge iron that is introduced into the melt-down gasifier is provided with a high met- allisation degree. Operation of the melt-down gasifier is also controlled by introducing iron oxide therein. The metallisation degree of all the iron carriers which are introduced into the melt-down gasifier is reduced in relation to the metallisation degree of the sponge iron and by means of said iron oxide.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00717 /KOLA	(22) Date of filing : 27.05.2002
(54) Title : GOODS LABEL	(51) International Classification : G08B13/19 H04 Q

(71) Name of the Applicant : INFINEON TECHNOLOGIES AG	
Address of the Applicant : ST. MARTIN-STRASSE 53, 81669 MUNCHEN, GERMANY	
(72) Name of the Inventors : 1. FRIES MANFRED 2. HOUDEAU DETLEF	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to a goods label (1), which comprises a semi-conductor chip (2) and an ~ (3), by means of which information stored in the semi-conductor chip, about the goods, may be transmitted to a reading device. The aerial comprises a pre-determined breaking point (4), in the region of which the aerial may be broken, by the energy from flue reading device, during the reading process, such feat a only limited number of reading cycles may be employed.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00718 /KOLA	(22) Date of filing : 27.05.2002
(54) Title : CLOSING DEVICE FOR PERFORMING CLOSING FUNCTIONS ESPECIALLY IN MOTOR VEHICLES	(51) International Classification : E05B 17/00, 17/04

(71) Name of the Applicant : HUF HULSBECK & FURST GMBH & CO. KG	
Address of the Applicant : STEEGER STRASSE 17, 42551 VELBERT GERMANY	
(72) Name of the Inventors : 1. WITTMER, REINHARD 2. LOW MATHIAS	
(30) Priority Data :	(31) Document No: 199 59 833.9
	(32) Date : 10.12.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to a closing device. In addition to the cylinder core (11) having followers (15), the closing cylinder (10) also comprises a free-wheel sleeve (12) and a housing (13) accommodating said sleeve. Normally, the free-wheel sleeve (12) is rotationally fixed by means of a radially spring-loaded locking and controlling member (21) but is released by the controlling member (21) when force is used. A working member (40) that assures the closing functions in the vehicle is rotationally fixed to a coupling slider (30) in such a way that said member can still be displaced radially. Normally, the coupling slider is coupled to the cylinder core (11) by virtue of a restoring force, however, is decoupled therefrom in the event of overcharge. An axial connection is provided between the coupling slider (30) and the locking and controlling member (21): As a result, said slider and said member, together, can be radially moved, however, can be freely rotated between various rotational positions of the closing cylinder (10) when the cylinder core (11) is actuated using a key. According to the invention, the closing cylinder (10) is provided with two key withdrawal positions which are rotationally offset in relation to each other. In said positions, the free-wheel sleeve (12) is provided with locking means for the followers (15) respectively. The uniform coupling slider (30) is displaced in the angle thereof by twining the key between at least two rotational positions which correspond to the key withdrawal positions. The coupling slider (30) can be radially displaced in the direction of said rotational positions. Several locking and controlling members (21) are provided, at least one of which is allocated to each of said rotational positions. The radial movements occurring during transition between the normal state and the overcharge state have the same direction as the respectively corresponding rotational position of the coupling slider (30).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00719 /KOLA	(22) Date of filing : 28.05.2002
(54) Title : DEVICE FOR ADJUSTING THE DISTRIBUTION OF MICROWAVE ENERGY DENSITY IN AN APPLICATOR AND USE OF THIS DEVICE	(51) International Classification : H05 B 6/76

(71) Name of the Applicant : WIDA GMBH	
Address of the Applicant : MUNCHENER STRASSE 90, 45145, GERMANY	
(72) Name of the Inventors : 1. GERDES, THORSTEN 2. WILLERT-PORADA MONIKA 3. RODIGER, KLAUS	
(30) Priority Data :	(31) Document No: 100 05 146.4
	(32) Date : 4.2.2000
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : The invention relates to a device for adjusting the distribution of microwave energy density in an applicator which forms a resonator chamber and in which the radiation generated by microwave generators is guided to the applicator wall by waveguides; and to a use for this device. According to the invention, several electro conductive coupling pins (31) are used, each of these extending preferably vertically into both the waveguide chamber and the applicator resonator chamber, in order to feed in the microwaves with as little loss as possible and to enable the field distribution in the resonator chamber to be modified. The invention is especially suitable for producing a plasma.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/OO720/KOLA	(22) Date of filing : 28.5.2002
(54) Title : ELECTRICAL SWITCHGEAR COMPRISING SEVERAL HOUSING	(51) International Classification : H01H 71/02
(71) Name of the Applicant : SIMENS AKTIENGESELLSCHAFT	
Address of the Applicant : OF WITTELSBACHERPLATZ 2, 80333 MUNCHEN GERMANY	
(72) Name of the Inventors : 1. BACH, MICHAEL 2. SEBEKOW, MICHAEL 3. SEIDLER-STAHLE, GUNTHER 4. SCHMIDT, DETLEV 5. THIEDE, INGO 6. TUERKMEN, SEZAI	
(30) Priority Data :	(31) Document No: 199 58 945.3
	(32) Date : 26.11.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : The invention relates to an electrical switchgear comprising several housing parts with certain functional divisions in which the switching elements are arranged. According to the invention, the housing of the switchgear is at least formed by a bottom shell (2) and an upper shell (3) which are separated from one another by a horizontal separating joint (5,6). In addition, one or more intermediate shells (4) can be provided which are separated from the bottom shell (2) the upper shell (3) and from one another by horizontal separating joint (5,6)*

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00721/KOLA	(22) Date of filing : 28.5.2002
(54) Title : A CRAWLER BELT AND A CRAWLER SEAL.	(51) International Classification : B62D 55/21

(71) Name of the Applicant : HITACHI CONSTRUCTION MACHINERY CO. LTD.	
Address of the Applicant : 5-1 KORAKU 2-CHOME, BUNKYO-KU, TOKYO 112-0004, JAPAN.	
(72) Name of the Inventors : AKITA HIDEKI, IDETSU WATARU, SEKIGUCHI YOSHIKI.	
(30) Priority Data :	(31) Document No: 2000-336127
	(32) Date : 02.11.2000
	(33) Country : JP
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A seal (21) is constituted by an outer lip portion (22) to be held in abutting engagement with an outer link portion (9) of a crawler belt (7), an inner lip portion (23) to be held in abutting engagement with a bush (11), and an interconnecting bridge portion (24) bridged and connected between the outer and inner lip portions (22, 23). The outer lip portion (22) on the side of track link, the inner lip portion (23) on the side of bush, and outer bridge portion (24A) and inner bridge portion (24B) of the interconnecting bridge portion (24) are formed in thicknesses (T1, T2, T1' and T2'), respectively, which are in the relations of (T2 ~ T2' > T1 ~ T1'). A maximum outside diameter portion (24C) of the interconnecting bridge portion (24) is located radially outward of a median point between inner and outer peripheral ends of the lip portion (23) on the side of bush. The inner lip portion (23) as a whole is uniformly pressed against an

end face (11A) of the bush (11) by the interconnecting bridge

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00722 /KOLA	<i>(22) Date of filing :</i> 28.5.2002
<i>(54) Title :</i> SYSTEM AND METHOD FOR WIRELESS, AUTOMATIC METER READING.	<i>(51) International Classification :</i> G08C 19/00

<i>(71) Name of the Applicant :</i> BLUEMAX COMMUNICATION CO. LTD.	
<i>Address of the Applicant :</i> OF LG TWINTEL 1 <sup>ST</sup> NO, 1408, 157-8 SAMSUNG-DONG, KANGNAM-GU, SEOUL 135-080, REPUBLIC OF KOREA.	
<i>(72) Name of the Inventors :</i> HAN MOYUG COOK	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 1999/60049 AND 2000/72019
	<i>(32) Date :</i> 21.12.1999 AND 30.11.2000
	<i>(33) Country :</i> KOREA
<i>(61) Patent of addition to Application No.</i> filed on	
<i>(62) Divisional to Application no.</i> filed on	

***Abstract :***

A system and method for wireless automatic meter reading which can wirelessly and remotely read integrated amounts of consumed electric power, water, gas and the like. An image sensor module (1) is installed in a predetermined portion of an integrating meter for picking up an image of a numeral displayed on a display of the integrating meter and converting the picked-up image into an electrical signal. A main processor unit (7) generates a numeric code corresponding to the numeral image. A radio frequency module (13) transmits the generated numeric code wirelessly to a meter reading center (16).



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No.</i> IN/PCT/2002/00723 /KOLA	<i>(22) Date of filing :</i> 28.5.2002
<i>(54) Title :</i> STARTER, START CONTROL DEVICE AND CRANK ANGLE DETECTOR OF INTERNAL COMBYSTION ENGINE.	<i>(51) International Classification :</i> F02N 11/08, F02D 35/00

<i>(71) Name of the Applicant :</i> MITSUBA CORPORATION.	
<i>Address of the Applicant :</i> 2681 HIROSAWACHO 1-CHOME, KIRYU-SHI, GUNMA 376-8555, JAPAN.	
<i>(72) Name of the Inventors :</i> INABA MITSUNORI, NOZUE YUTAKA, UCHIYAMA HIDEKAZU.	
<i>(30) Priority Data :</i>	<i>(31) Document No:</i> 11/333164, 11/342766
	<i>(32) Date :</i> 24.11.1999 , 02.12.1999
	<i>(33) Country :</i> JAPAN
<i>(61) Patent of addition to Application No. filed on</i>	
<i>(62) Divisional to Application no. filed on</i>	

**Abstract :** Realizing a more efficient engine starting control by recognizing an absolute angle of a crank shaft in an engine. An absolute angle of the crank shaft 13 is calculated on the basis of an ignition reference signal of the engine and a commutation position pulse signal of a starter motor 10, and the starter motor 10 is controlled on the basis of the absolute angle. The starter motor 10 is reverse-rotated on the basis of the calculated absolute angle and the crank shaft 13 is temporarily

reverse-rotated to an explosion stroke and thereafter is normal-rotated, and thereby the engine is started. Timing from the reverse rotation of the crank shaft 13 to the normal rotation is accurately controlled by the absolute angle, and an efficient inertial starting control can be realized on a engine starting control without waste. Further, it is possible to accurately recognize the absolute angle of the crank shaft 13 in the engine by a crank angle detecting apparatus without increasing the number of the reluctors 40.

### **PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00724, KOLA.	(22) Date of filing : 29.5.2002
(54) Title : PRODUCTION OF POLYMORPHIC FORMS I AND II OF FINASTERIDE BY COMPLEXATION WITH GROUP I OR II METAL SALTS.	(51) International Classification : C07J 73/00

(71) Name of the Applicant : TORCAN CHEMICAL LTD.	
Address of the Applicant : 110, INDUSTRIAL PARKWAY NORTH, AURORA, ONTARIO L4G 3H4, CANADA.	
(72) Name of the Inventors : SLEMON CLARKE.	
(30) Priority Data :	(31) Document No:
	(32) Date : 01.11.1999
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

### **Abstract :**

Polymorphic Form (I) of finasteride is prepared by first forming a substantially insoluble complex of finasteride and a Group I or Group II metal salt, such as lithium ironride, and then dissociating the complex by dissolving away the salt component with water, so as to obtain substantially pure Form (I) polymorphic crystalline finasteride.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00725 /KOLA	(22) Date of filing : 29.5.2002
(54) Title : ANTIFALSIFICATION PAPER PROVIDED WITH APPLIED CODING CONSISTING OF LUMINESCENT MOTTLED FIBERS	(51) International Classification :

(71) Name of the Applicant : GIESECKE & DEVRIENT GMBH	
Address of the Applicant : PRINZREGENTENSTRASSE 159, 81677, MUNCHEN GERMANY	
(72) Name of the Inventors : SCHWENK GERHARD	
(30) Priority Data :	(31) Document No: 199 62790.8
	(32) Date : 23.12.1999
	(33) Country : GERMANY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract :***

The invention relates to a security paper with at least two types of mottled fibres, which differ in terms of their luminescent characteristics and form a code. In each case one type of mottled fibres is present in a defined subarea of the security paper, and the code is represented by the defined geometric arrangement of the subareas on the security paper and/or by the presence or absence of mottled fibres of a specific type.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00726, KOLA	(22) Date of filing : 29.5.2002
(54) Title : METHODS AND SYSTEM FOR CONTENT-BASED DOCUMENT SECURITY.	(51) International Classification : G06F 17/00

(71) Name of the Applicant : SEQUOIA SOFTWARE CORPORATION	
Address of the Applicant : 8890 NXGAW ROAD, COLUMBIA, MD 21045, USA.	
(72) Name of the Inventors : MARTIN PAUL E, DAVIS KENNETH S, KYAW MYO, KALIAPPAN ARULNAMBI, SHVADSKIY DMITRY F	
(30) Priority Data :	(31) Document No: 09/469,753
	(32) Date : 22.12.1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : A method and system for determining document content based actions. A rule engine (101) is provided with a document (103) to be acted on, preferably in XML format. The rule engine (101) is also provided with a set of rules (105) and associated actions (107) to be taken upon special conditions. The document (103) is evaluated according to the rules (105) and the document contents, each of the rules is parsed into a parse tree. The document is further evaluated for populating the parse tree with at least a portion of the document contents. The portion of the actions to be initiated is selected based on the content-populated parse tree. Actions could include by way of example, security control or routing of the document.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00727, KOLA	(22) Date of filing : 29.5.2002
(54) Title : SERVER-BASED ACTIVE DOCUMENT CONTROL	(51) International Classification : G06F 17/30

(71) Name of the Applicant : CITRIX SYSTEMS, INC.	
Address of the Applicant : 6400 N.W. 6 <sup>TH</sup> WAY, FORT LAUDERDALE, FL 33309, USA.	
(72) Name of the Inventors : WATERHOUSE SIMON, HALLS DAVID, VAN DER LINDEN ROBERT.	
(30) Priority Data :	(31) Document No: 09/470,825
	(32) Date : 23.12.1999
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract** : The invention relates to an apparatus and method for displaying the contents (38) of an active document (10) on a client (18) while retaining and executing the executable portion (34) of the active document on a server (14). In one embodiment, the method includes the step of transmitting, from the server to the client, the contents portion of the active document. The server executes the executable portion of the active document to generate output data associated with the active document. The server transmits the output data to manipulate the active document being displayed by the client.

(71) Name of the Applicant : ALSTOM POWER GENERATION AG.	
Address of the Applicant : BOVERISTRASSE 22, 68309 MANNHEIM, GERMANY.	
(72) Name of the Inventors : KLEE PETER.	
(30) Priority Data :	(31) Document No: 199 62 290.6
	(32) Date : 23.12.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** Devices of this ~ are equipped with a container which accommodates the winding rod (1) and is connected to a tank containing an impregnation agent (15). The container, which remains open during the impregnation process, is surrounded by an evacuation container in order to create a negative pressure within the container. To achieve a more rapid penetration of the impregnation agent and to simplify the process, the invention is characterised in that a vacuum-tight sleeve (3) acts as the container, that said sleeve (3) is encompassed by a pressure-resistant sleeve (12) and that a conduit (4) of an assembly (5) which generates a vacuum leads into the interior of the sleeve (3). The impregnation agent is supplied with a pressure that is lower than the prevailing pressure in the pressure-resistant sleeve (12).

### **PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00729 /KOLA	(22) Date of filing : 30.5.2002
(54) Title : MODIFICATION OF INTEGRATED CIRCUITS.	(51) International Classification : G06 F 17/50

(71) Name of the Applicant : REGAN, TIMOTHY, JAMES.	
Address of the Applicant : 6, CONEYGERE, OLNEY, BUCKS MK46 4AF, UNITED KINGDOM.	
(72) Name of the Inventors : REGAN TIMOTHY JAMES.	
(30) Priority Data :	(31) Document No: 9929084.3
	(32) Date : 08/12/1999
	(33) Country : UK
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A process for modifying the design of integrated circuits includes the steps of mapping cells of an old circuit against a library of new cells (134) and replacing at least some of the old cells with DCW cells having the same logical function as the old cells (156), while maintaining the electrical connections between those cells. The geometry of the electrical connections between the cells is then re-routed.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00730 /KOLA	(22) Date of filing : 30.5.2002
(54) Title : METHOD FOR DECORATING THE TOP OF A CONTAINER CLOSURE CAP.	(51) International Classification : B29C 43/18

(71) Name of the Applicant : SACMI-COOPERATIVA MECCANICI IMOLA-SOC.COOP.A.R.L	
Address of the Applicant : VIA SELICE PROVINCIALE , 17/A I-40026, IMOLA ITALY	
(72) Name of the Inventors : PARRINELLO FIORENZO	
(30) Priority Data :	(31) Document No: RE99A000140
	(32) Date : 23.12.1999
	(33) Country : ITALY
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

*Abstract : Method for decorating the top of a compression-moulded cap of synthetic material intended to close a container in which the decoration is positioned on a flat support in the form of a disc (1) which is placed in the cavity (2) of the cap forming mould before the constituent material of the cap is introduced, and found to be bonded to the top of the cap after its removal from the mould.*



**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00731, KOLA	(22) Date of filing : 30.5.2002
(54) Title : MELANIN SYNTHESIS INHIBITION COMPOUND AND COMPOSITION CONTAINING THE SME.	(51) International Classification : A61K 35/78

(71) Name of the Applicant : SAMYANG GENEX CORPORATION	
Address of the Applicant : 263, YOUNJI-DONG, CHONGNO-KU, SEOUL 110-470, KOREA.	
(72) Name of the Inventors : SUNG CHANG KEUN, PARK JEONGHOON, JUN HYUNG OH, LEE CHANHO, KIM YOUNG HO, HONG SEUNG SHU, LEE HYUN-SOO.	
(30) Priority Data :	(31) Document No: 199/55670
	(32) Date : 08/12/1999
	(33) Country : KOREA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The present invention relates to melanin synthesis inhibition compound containing gomisin N or Y - schizandrin and composition containing the same. The composition of the present invention has a superb melanin synthesis inhibition effect without showing cytotoxicity. Also the present invention relates to a schizandra extract that has a excellent melanin synthesis inhibition effect without showing cytotoxicity.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00732 /KOLA†	(22) Date of filing : 30.5.2002
(54) Title : HEATING DEVICE FOR THE EVAPORATION OF ACTIVE SUBSTANCES	(51) International Classification : A61L 9/03

(71) Name of the Applicant : DBK ESPANA SA	
Address of the Applicant : ARGENTERS 2-4-8 EDIF 3C/P, C/B PARC TECHNOLOGIES DEL VALLES Cerdanyola del Valles E- 08290 BARCELONA SPAIN	
(72) Name of the Inventors : BASGANAS MILLAN JORDI	
(30) Priority Data :	(31) Document No:
	(32) Date :
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

***Abstract***

The device is based on an optionally single piece body (1), obtained by plastic moulding, of cylindrical configuration, with the opening and the corresponding axial and central neck (3) for the passing of a wick that, at its lower end, is immersed in an active substance contained in a vessel to which the device is applicable, having optional ribs (4) for holding and positioning the wick heating resistances, as well as projections (6) with cross channels (7) for the positioning of the ends of the electrical resistances wires, being supplemented with a piece (8) acting as a clip, that by means of a flap or arm (9) formed in it, the ends of the resistances are kept in the flutings (7), and allows the positioning of the contactors through which the electrical supply to those heating resistances is set up, a positioning that is carried out on an upper slot (10) set up in that piece (8) which has contactor connection flaps (11), and optionally a cover that assures a more reliable fastening by pressing on the upper edge of the clips (8).

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00733. /KOLA	(22) Date of filing : 30.5.2002
(54) Title : A METHOD FOR TESTING THERAPEUTIC OR PREVENTIVE AGENT FOR HYPERLIPIDEMIA.	(51) International Classification : C12Q 1/68

(71) Name of the Applicant : SANKYO COMPANY LIMITED.	
Address of the Applicant : 5-1, NIHONBASHI HONCHO 3-CHOME, CHUO-KU, TOKYO 103-8426, JAPAN.	
(72) Name of the Inventors : KOISHI RYUTA, ONO MITSURU, FURUKAWA HIDEHIKO, HORIKOSHI HIROYOSHI, FUJIWARA TOSHIHIKO, ANDO YOSUKU.	
(30) Priority Data :	(31) Document No.:
	(32) Date : 09.12.1999
	(33) Country :
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A novel method of testing a remedy or a preventive for hyperlipemia; and a nucleic acid probe, a primer and an antibody which are employed in this method. More particularly speaking, a method of testing the effect of a test substance as a remedy or a preventive for hyperlipemia by using the expression of a gene represented by SEQ ID NO: 1 or 2 in Sequence Listing, which participates in the control of the blood neutral fat level of mammals, as an indication; and a nucleic acid probe, a primer and an antibody employed in this method. By using this method, candidates for preventives or remedies for hyperlipemia can be searched for.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

<i>Application No. IN/PCT/2002/00734 /KOLA</i>		<i>(22) Date of filing : 30.5.2002</i>	
<i>(54) Title : METHOD AND APPARATUS FOR DETECTING A PHYSIOLOGICAL PARAMETER.</i>		<i>(51) International Classification : A61B 5/00</i>	
<i>(71) Name of the Applicant : SIEMENS MEDICAL SOLUTIONS USA INC.</i>			
<i>Address of the Applicant : 186 WOOD AVENUE SOUTH , ISELIN, NJ 08830, USA.</i>			
<i>(72) Name of the Inventors : ELGHAZZAWI ZIAD.</i>			
<i>(30) Priority Data :</i>		<i>(31) Document No: 60/181,482</i>	
		<i>(32) Date : 10.02.2000</i>	
		<i>(33) Country : US</i>	
<i>(61) Patent of addition to Application No. filed on</i>			
<i>(62) Divisional to Application no. filed on</i>			

**Abstract :** A system for detecting a physiological parameter from a physiological signal, includes a source of the physiological signal. Circuitry, coupled to the signal source, detects spectral peaks in the physiological signal. Calculating circuitry, coupled to the spectral peak detecting circuitry, calculates a parameter value corresponding to each detected spectral peak. Weighting circuitry, coupled to the calculating circuitry and the spectral peak detecting circuit, assigns a weight to each peak according to a feature of a signal and the parameter value corresponding to that peak. Circuitry, coupled to the weighting circuitry, selects the peak according to a predetermined criterion. Output circuitry, coupled to the selecting circuitry and the calculating circuitry, then generates the parameter value corresponding to the selected peak.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00735. KOLA	(22) Date of filing : 30.5.2002
(54) Title : MESH FABRIC	(51) International Classification : D03D 9/00

(71) Name of the Applicant : HUESKER SYNTHETIC GMBH & CO.	
Address of the Applicant : FABRIKSTRASSE 13-15, 58712, GESCHER, GERMANY.	
(72) Name of the Inventors : PINTZ, HEIKO; BULT, HERMANN.	
(30) Priority Data :	(31) Document No: 199 62 441.0
	(32) Date : 22.12.1999
	(33) Country : DE
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** The invention relates to a wide-meshed fabric (1) treated with bonding agents. The inventive mesh is made up of bundles (4) consisting of several warp threads (3) and bundles (6) consisting of several weft threads (5) surrounding the inner meshes (7). The warp threads (3) are interwoven with the weft threads (5) at intersection points (5) of the bundles (4) of warp threads and bundles (6) of weft threads (5) running at right-angles to each other. In order to firmly secure the warp threads and the weft threads, the bundles (4) of warp threads are divided into a first group (4') of warp threads and a second group (4'') of warp threads and the first group of warp threads crosses over the second group of warp threads belonging to the same bundle (4) of warp threads for each mesh (7) thereby forming a half-twist. Similarly, the warp threads (3) of both groups (4', 4'') of warp threads are interwoven with the weft threads (5), running substantially parallel to each other. Mesh fabrics of the above-mentioned kind can be used to reinforce ground surfaces, road surfaces, layers of mortar and the like, in addition to use in poultry farming and use as fishing nets.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00736, KOLA	(22) Date of filing : 31.5.2002
(54) Title : APPARATUS USING OSCILLATING ROTATING PISTONS	(51) International Classification : F02B 53/00

(71) Name of the Applicant : PRUEITT, MELVIN, L.	
Address of the Applicant : 161 CASCABEL STREET, ; OS ALAMOS, NM 87544, USA.	
(72) Name of the Inventors : PRUEITT MELVIN L., SPEIR LESLIE G., PRUEITT STANLEY D.	
(30) Priority Data :	(31) Document No: 60/168,479; 09/715,751
	(32) Date : 01/12/1999; 16/11/2000
	(33) Country : USA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A motor, expander, compressor, or hydraulic device is formed with an oscillating rotating piston (2, 3) comprising a cylinder (4, 5) having an axis of rotation and end surfaces and defining an oscillating compression volume (24, 25) and expansion volume (26, 27). An axial sealing member (15) separates the compression volume (24, 25) and the expansion volume (26, 27), and seal members (20) seal end surfaces of the piston. Valves (10, 13) operate to close the compression volume and open the expansion volume at each oscillation of the piston. Means are provided for reversing the rotation of the cylinder at the turn of a compression cycle of the piston. One or more pistons may be provided that contact other pistons along axial surfaces to form axial seal surfaces with rolling contacts that reduce friction energy losses.

**PUBLICATION AFTER 18 MONTHS**

*The following Patent Applications have been published under section 11A of the Patents (Amendment) Act, 2002*

Application No. IN/PCT/2002/00737. KOLA	(22) Date of filing : 31.5.2002
(54) Title : A FIRE EXTINGUISHER	(51) International Classification : A62C 11/00

(71) Name of the Applicant : NAM YUN-SANG AND KANG SEOG-BEOM.	
Address of the Applicant : 172-81, MYUNMOK 5-DONG, JUNGRANG-GU, SEOUL, 131-205, KOREA AND 4 <sup>TH</sup> FLOOR, 448-2, BANGBAE-DONG, SEOCHO-GU, SEOUL, KOREA.	
(72) Name of the Inventors : NAM YUN-SANG	
(30) Priority Data :	(31) Document No: 199/52668
	(32) Date : 25/11/1999
	(33) Country : KOREA
(61) Patent of addition to Application No. filed on	
(62) Divisional to Application no. filed on	

**Abstract :** A motor, expander, compressor, or hydraulic device is formed with an oscillating rotating piston (2, 3) comprising a cylinder (4, 5) having an axis of rotation and end surfaces and defining an oscillating compression volume (24, 25) and expansion volume (26, 27). An axial sealing member (15) separates the compression volume (24, 25) and the expansion volume (26, 27), and seal members (20) seal end surfaces of the piston. Valves (10, 13) operate to close the compression volume and open the expansion volume at each oscillation of the piston. Means are provided for reversing the rotation of the cylinder at the t.r.u. of a compression cycle of the piston. One or more pistons may be provided that contact other pistons along axial surfaces to form axial seal surfaces with rolling contacts that reduce friction energy losses.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00558/MUM A(22) Date of filing of 02/05/2002**  
(PCT/US00/34199) Application:

(54) Title of the invention: **GRAFT COPOLYMER PIGMENT DISPERSANT**

<p>(51) International classification: <b>C08F 291/00</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>09/466,260</b></p> <p>(32) Date : <b>17/12/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>No</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>E.I. DU PONT DE NEMOURS AND COMPANY</b></p> <p>Address of the Applicant: <b>1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) MA, SHEAU-HWA</b></p>

(57) Abstract : A polymer dispersant for pigments based on an acrylic graft copolymer wherein the graft copolymer has a weight average molecular weight of at least 3000 and has 10 to 90% by weight of a polymeric backbone and 90 to 10 % by weight of macromonomer side chains attached to the backbone and wherein the graft copolymer has at least about 1 % by weight of pigment anchoring group selected from the group consisting of an aromatic ester group, aromatic amine group, and quaternary ammonium group, or mixtures thereof, attached to the backbone or the macromonomer. These materials disperse a wide variety of pigments and are useful in solvent borne coatings where they can provide improved efficiency of pigment use, lower paint viscosity, and reduced emission of volatile organic solvent.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.:** IN/PCT/00559/MUM A (22) **Date of filing of Application:** 02/05/2002  
(PCT/GB00/04033)

(54) **f the invention:** ELECTROCHEMICAL MACHINING METHOD AND APPARATUS

<p>(51) <b>International classification:</b> B23H 3/00, 7/38</p> <p>(30) <b>Priority Data :</b></p> <p>(31) <b>Document No.:</b> 9925024.3</p> <p>(32) <b>Date :</b> 23/10/1999</p> <p>(33) <b>Name of convention country :</b> GREAT BRITAIN</p> <p>(66) <b>Filed U/s. 5(2) :</b> No</p> <p>(61) <b>Patent of addition to application No.:</b> NIL</p> <p>(62) <b>Filed on :</b> N.A.</p> <p>(63) <b>Divisional to Application No.:</b> NIL</p> <p>(64) <b>Filed on:</b> N.A.</p>	<p>71) <b>Name of the Applicant:</b></p> <p>ULTRA SYSTEMS LTD.,</p> <p><b>Address of the Applicant:</b> 3A, DRAYTON COURT, DRAYTON GARDENS, SOUTH KENSINGTON, SW 1 0 9RQ, ENGLAND</p> <p>72) <b>Name of the Inventor:</b></p> <p>1) TCHUGUNOV, BORIS</p>

(57) **Abstract :** An electrochemical machining technique involves moving a cathode (2) towards and anodic workpiece (1). A current is passed through an electrolyte, which flows, between the cathode (2) and workpiece (1) so as to cause material to be removed electrolytically from the workpiece (1). A vibratory movement is imposed on the cathode (2) and the current passed between the cathode (2) and workpiece (1) is also varied. The vibratory movement may consist of a main sinosoidal oscillation and a secondary ultrasonic vibration, and the current vibration is synchronized with the main vibration so that current pulses, and ultrasonic vibration pulses, coincide, with a predetermined small phase shift, with peaks of the main vibration corresponding to the smallest gap between the cathode (2) and workpiece (1)

**Figure : 1.**

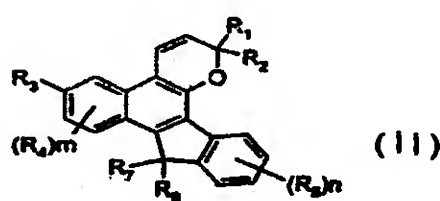
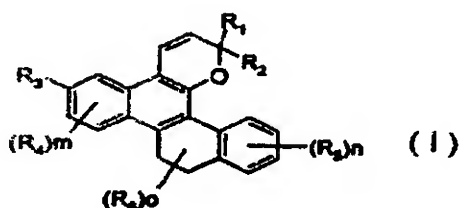
**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00560/MUM A** (22) Date of filing of Application: **02/05/2002**  
(PCT/EP00/11365)

(54) Title of the invention: **NAPHTHOPYRANS ANNELATED IN C<sub>5</sub>-C<sub>6</sub> WITH AN INDENE- OR DIHYDRONAPHTHALENE-TYPE AND COMPOSITIONS AND MATRICES CONTAINING THEM**

<p>(51) International classification: <b>C07D 311/94</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>99/14425</b></p> <p>(32) Date : <b>17/11/1999</b></p> <p>(33) Name of convention country : <b>FRANCE</b></p> <p>(36) Filed U/s. 5(2) : <b>No</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>CORNING S.A.</b></p> <p>Address of the Applicant: <b>7BIS AVENUE DE VALVINS, 77920 SAMOIS SUR SEINE, FRANCE</b></p> <p>72) Name of the Inventor:</p> <p><b>1) BREYNE, OLIVIER 2) CHAN, YOU-PING 3) JEAN, PATRICK</b></p>
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**(57) Abstract :**

The invention relates to novel naphthopyran-type compounds, annelated in position C<sub>5</sub>-C<sub>6</sub> by an indene- or dihydronaphthalene-type carbocycle, which are of the formulae (I) and (II) given below. These compounds (I) and (II) have interesting photochromic properties. The invention relates to their preparation, to their applications as photochromes, as well as to the compositions and matrices containing them.

(65) PCT No.: **NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00561/MUM A** (22) Date of filing of **03/05/2002**  
(PCT/SE00/02033) Application:

(54) Title of the invention: **INHALER DOSING DEVICE**

<p>(51) International classification: <b>A61M 15/00</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>9904081-8</b></p> <p>(32) Date : <b>11/11/1999</b></p> <p>(33) Name of convention country : <b>SWEDEN</b></p> <p>(66) Filed U/s. 5(2) : <b>No</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>MICRODRUG AG</b></p> <p>Address of the Applicant: <b>LANDWEG 1, CH-6052 HERGISWIL NW, SWITZERLAND</b></p> <p>72) Name of the Inventor:</p> <p><b>1) NILSSON, LARS-GUNNAR 2) NILSSON, THOMAS</b></p>

(57) Abstract : A dosing device of an inhaler for administration of a pharmaceutical composition during a prolonged time period is disclosed. The principle of the inspiratory administration is basically utilizing known techniques for administering of the pharmaceutical composition, whereby the fine powder to be administered is gathered as extended doses (15, 16) of powder onto a surface of a dosing member. The disposable dosing member (10) contains a number of prefabricated dose strings to be accessed. A dosing element (7) having an adapted opening moves along an extended string of the dosing member during the administration to in this manner prolong the time period, during which the pharmaceutical composition is released from the dosing member (10) into an air-stream of the inhaler during the inspiration. The relative motion of the dosing element (7) is either obtained by rotating the dosing member itself or moving the dosing element along the surface of the dosing member. Thereby an evenly distributed amount of powder in the inspiration air is obtained during, for instance, one to two seconds of inspiration in accordance with the motion of the dosing element (7) relative to the extended dose of pharmaceutical composition.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00562/MUM A(22) Date of filing of 03/05/2002  
(PCT/US01/26683) Application:

(54) Title of the invention: FIBERFILL PRODUCTS COMPRISING POLYTRIMETHYLENE TEREPHTHALATE STAPLE FIBRES

<p>(51) International classification: DO1 F-6/62</p> <p>(70) Priority Data :</p> <p>(31) Document No.: 60/231,852</p> <p>(32) Date : 12/09/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>E.I. DU PONT DE NEMOURS AND COMPANY</p> <p>Address of the Applicant: 1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) HERNANDEZ, ISMAEL, A 2) HIETPAS, GEOFFREY, DAVID 3) HOWELL, JAMES, M</p>

(57) Abstract : The invention relates to webs or batts comprising polytrimethylene terephthalate crimped staple fibers and fiberfill products comprising such webs and batts, as well as the processes of making the staple fibers, webs, batts and fiberfill products. According to the preferred process of making a web or batt comprising polytrimethylene terephthalate staple fibers, comprising polytrimethylene terephthalate is melt spun at a temperature of 245-285°C into filaments. The filaments are quenched, drawn and mechanically crimped to a crimp level of 8-30 crimps per inch (3-12 crimps/cm). The crimped filaments are relaxed at a temperature of 50-130°C and then cut into staple fibers having a length of about 0.2-6 inches (about 0.5 – about 15 cm). A web is formed by garnetting or carding the staple fibers and is optionally cross-lapped to form a batt. A fiberfill product is prepared with the web or batt.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00563/MUM A(22) Date of filing of Application: 03/05/2002  
(PCT/US01/26681)

(54) Title of the invention: POLY (TRIMETHYLENE TEREPHTHALATE)  
TETRACHANNEL CROSS-SECTION STAPLE FIBER

(51) International classification: D01F 6/62	71) Name of the Applicant:
(30) Priority Data :	E.I. DU PONT DE NEMOURS AND COMPANY
(31) Document No.: 60/231,851	
(32) Date : 12/09/2000	Address of the Applicant:
(33) Name of convention country : USA	1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.
(66) Filed U/s. 5(2) : No	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) HERNANDEZ, ISMAEL, A
(63) Divisional to Application No.: NIL	2) HIETPAS, GEOFFREY, DAVID
(64) Filed on: N.A.	3) HOWELL, JAMES, M
	4) SCHULTZE, CLAUDIA

(8) Abstract : Poly (trimethylene terephthalate) tetrachannel cross-section staple fibers and their manufacture, as well as yarn, fiberfill webs or batts, and fabrics made therewith.

Figure : 4.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00564/MUM A(22) Date of filing of 03/05/2002  
(PCT/US00/02103) Application:

(54) Title of the invention: ESTERIFICATION CATALYST COMPOSITIONS AND USE THEREOF

<p>(51) International classification: B01J 31/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/453,100</p> <p>(32) Date : 02/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>E.I. DU PONT DE NEMOURS AND COMPANY</p> <p>Address of the Applicant: 1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) PUTZIG, DONALD, EDWARD</p>

(57) Abstract : A catalyst composition is disclosed. The composition comprises a titanium compound, a complexing agent, hypophosphorous acid or its metal salt, water and optionally a solvent. The complexing agent can be hydroxycarboxylic acid, alkanolamines, aminocarboxylic acids, or combinations of two or more thereof. The solvent can be water, ethanol, propanol, isopropanol, butanol, ethylene glycol, propylene glycol, isopropylene glycol, butylenes glycol, 1-methyl propylene glycol, pentylene glycol, or combinations of two or more thereof. The titanium compound can be combined with a zirconium compound. Also disclosed is a process for using the composition for producing an ester or a polyester. The process comprises contacting a carbonyl compound, in the presence of the composition, with an alcohol under a condition suitable for esterification, transesterification, polymerization, or combinations of two or more thereof.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00565/MUM A(22) Date of filing of 03/05/2002  
(PCT/US00/26875) Application:

(54) Title of the invention: METHOD AND APPARATUS FOR SUPPORTING MULTI-CLOCK  
PROPAGATION IN A COMPUTER SYSTEM HAVING A POINT TO POINT HALF  
DUPLEX INTERCONNECT

<p>(51) International classification: G06F 13/368</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/433,653</p> <p>(32) Date : 03/11/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>INTEL CORPORATION</p> <p>Address of the Applicant: 2200 MISSION COLLEGE BOULEVARD, SANTA CLARA, CALIFORNIA 95052, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) HARRIMAN, DAVID, J. 2) OSBORNE, RANDY, B.</p>

(57) Abstract : According to one embodiment, a computer system comprises a central processing unit (CPU), a memory control hub (MCH) coupled to the CPU, a point to point interface coupled to the MCH; and an input/output control hub (ICH) coupled to the point to point interface. The MCH delays arbitration of a request to access the point to point interface until the access request is received at the ICH, and ICH delay arbitration of a request to access the point to point interface until the access request is received at the MCH.

Figure : 3.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00566/MUM A(22) Date of filing of 03/05/2002  
(PCT/SE00/02364) Application:

(54) Title of the invention: ACTIVE WALLS

<p>(61) International classification: A61M 15/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904484-4</p> <p>(32) Date : 08/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>MICRODRUG AG</b></p> <p>Address of the Applicant: <b>LANDWEG 1, CH-6052 HERGISWIL NW, SWITZERLAND</b></p> <p>72) Name of the Inventor:</p> <p><b>1) NILSSON LARS-GUNNAR 2) NILSSON, THOMAS</b></p>

(57) Abstract : A powder distribution device for transporting and mixing a fine powder with a gas is disclosed. The device presents a distribution member forming a connection between a source of fine powder and a discharge opening. The distribution member has a first inlet portion (10) and an outlet portion (12) for a stream of a first gas (1) mixed with the fine powder. The main body of the distribution member constitutes a porous body portion (16) being surrounded by a second gas (2). If a pressure gradient is created between the second gas (2) and the first gas (1), i.e., the first gas (1) being at a slightly lower pressure, the second gas (2) will leak through the porous body (16) and thereby preventing powder, in the mix of the first gas and fine powder, from sticking or clogging within the distribution member, which thereby form an active non-sticking wall relative to of the fine powder.

Figure : 1



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00567/MUM A(22) Date of filing of Application: 03/05/2002  
(PCT/EP00/10319)

(54) Title of the invention: METHOD FOR PRODUCING HYDROXYMETHYLPYRIDINES

(51) International classification: C07D 213/30	71) Name of the Applicant:
(30) Priority Data :	DSM FINE CHEMICALS AUSTRIA NFG GMBH & CO KG [FORMERLY DSM FINE CHEMICALS AUSTRIA GMBH]
(31) Document No.: A 2004/99	Address of the Applicant:
(32) Date : 26/11/1999	ST. PETER-STRASSE 25, A-4021 LINZ, AUSTRIA
(33) Name of convention country : AUSTRIA	72) Name of the Inventor:
(66) Filed U/s. 5(2) : No	1) GISELBRECHT, KARLHEINZ 2) HERMANSEDER, RUDOLF
(61) Patent of addition to application No.: NIL	
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The invention relates to a method for producing hydroxymethylpyridines from the corresponding vinylpyridines by means of ozonisation in a alcohol as solvent and by means of hydrogenation of the peroxide-containing solution produced thereby, in the presence of a hydrogenation catalyst. The hydrogenation solution is adjusted to a pH value of 10 to 14 by adding a base and the alcohol is distilled off and the desired hydroxymethylpyridine is isolated in high purity by extracting with an organic solvent and by means of subsequent distillative purification.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00568/MUM A (22) Date of filing of 03/05/2002  
(PCT/US01/26680) Application:

Title of the invention: PROCESS FOR MAKING POLY (TRIMETHYLENE  
(54) TEREPHTHALATE) STAPLE FIBERS, AND POLY (TRIMETHYLENE  
TEREPHTHALATE) STAPLE FIBERS, YARNS AND FABRICS

<p>(51) International classification: D01F 6/62</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/231,852</p> <p>(32) Date : 12/09/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>E.I. DU PONT DE NEMOURS AND COMPANY</b></p> <p>Address of the Applicant: <b>1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) HERNANDEZ, ISMAEL, A 2) HIETPAS, GEOFFREY, DAVID 3) HOWELL, JAMES, M 4) SCHULTZE, CLAUDIA</b></p>

(57) Abstract : A process of making polytrimethylene terephthalate staple fibers, comprising (a) providing polytrimethylene terephthalate, (b) melt spinning the melted polytrimethylene terephthalate at a temperature of 245-285°C into filaments, (c) quenching the filaments, (d) drawing the quenched filaments, (e) crimping the drawn filaments using a mechanical crimper at a crimp level of 8-30 crimps per inch (3 – 12 crimps/cm), (f) relaxing the crimped filaments at a temperature of 50-120°C, and (g) cutting the relaxed filaments into staple fibers having a length of about 0.2-6 inches (about 0.5 – about 15 cm), and polytrimethylene terephthalate staple fibers, yarns and fabrics. Further, a process of minimizing the crimp take-up of a polytrimethylene terephthalate staple fiber comprising determining relationship between denier and crimp take-up and manufacturing staple fibers having a denier selected based upon that determination.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00569/MUM A(22)** Date of filing of **06/05/2002**  
(PCT/SK00/00025) Application:

(54) Title of the invention: **UNIVERSAL FOLDING BICYCLE**

<p>(51) International classification: <b>B62M 3/00</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>PV 1621-99</b></p> <p>(32) Date : <b>26/11/1999</b></p> <p>(33) Name of convention country : <b>SLOVAKIA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>MIKSSIK PAVEL P.</b></p> <p>Address of the Applicant: <b>KARLOVIANKY 5, 931 01 SAMORIN, SLOVAKIA</b></p> <p>72) Name of the Inventor:</p> <p><b>1) MIKSSIK PAVEL P</b></p>
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(57) Abstract : The universal folding bicycle according to the invention has the front arm (1) that is attached to the head assembly (2) on the frame (3) where the front swing arm (4) with the front wheel (22) are attached. The freely adjustable handlebars (9) are attached to the head assembly (2) via the rotary joint (5), the telescopic rod (6) and the handlebar axis (8) or via the handlebar attachment (7). The back wheel (13) is attached to the back swing arm (10) connected to the central assembly (11) formed by the pedals and cranks (12) and mounted on the frame (3). The back swing arm (10) can be equipped by the accessory arm (26). The seat (16) on a telescopic stem (15) is attached to the end of the frame (3) or via the pin (14) to the beginning of the frame (3). The seat (16) may be located in the swing arm (23) and may be equipped by the telescopic seat springing (24) or by the arm spinning (25). The front arm (1) and the swing front arm (4) are interconnected by the telescopic front wheel springing (18) or by the front wheel springing (19). The back swing arm (10) is connected to the end of the frame (3) via the back wheel telescopic springing (20) or by the back wheel springing (21). The front wheel (22) and the back wheel (13) are attached by the means of unilateral free bearing to the front swing arm (4) and to the back swing (10). The telescopic front wheel springing (18), the front wheel (19), the rotary joint (5), the telescopic back wheel springing (20), the back wheel springing (21), the handlebar axis (8), and the cranks with pedals (12) are all equipped by quick releases (18', 19', 5', 20', 21', 8', and 12'). The bicycle is folded by releasing the quick releases (5', 8', 12', 18', 19', 21', 21'), swinging the handlebars, the front wheel (22), the back wheel (13) and the seat (1) after sliding it out together with the telescopic stem (15) towards the frame (3). The bicycle design according to this invention permits production of all types of bicycles ranging from sport bikes to common utility ones for adults as well as children

Figure : 26.

**Publication After 18 months**

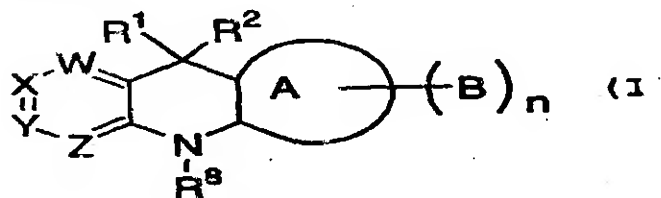
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00570/MUM A(22) Date of filing of Application: 06/05/2002  
(PCT/US00/28824)

(54) Title of the invention: TRICYCLIC COMPOUNDS USEFUL AS HIV REVERSE TRANSCRIPTASE INHIBITORS

<p>(51) International classification: C07D 471/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/160,329 2) 60/226,171</p> <p>(32) Date : 1) 19/10/1999 2) 17/08/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>DU PONT PHARMACEUTICALS COMPANY</b></p> <p>Address of the Applicant: <b>CHESTNUT RUN PLAZA, 974 CENTRE ROAD, WILMINGTON, DE 19805 (US)</b></p> <p>72) Name of the Inventor:</p> <p><b>1) JOHNSON, BARRY, L 2) PATEL, MONA 3) RODGERS, JAMES, D 4) WANG, HAISHENG</b></p>

(57) Abstract :



The present invention relates to tricyclic compounds of formula (I) or stereoisomeric forms, stereoisomeric mixtures, or pharmaceutically acceptable salt forms thereof, which are useful as inhibitors of HIV reverse transcriptase, and to pharmaceutical compositions and diagnostic kits comprising the same, and methods of using the same for treating viral infection or as an assay standard or reagent.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00571/MUM A(22) Date of filing of Application: 06/05/2002  
(PCT/AU00/01425)

(54) Title of the invention: DRIVER FOR POWER TOOLS

<p>(51) International classification: B24B 1/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: PQ 4200</p> <p>(32) Date : 23/11/1999</p> <p>(33) Name of convention country : AUSTRALIA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>METAL STORM LIMITED</b></p> <p>Address of the Applicant: LEVEL 34, 345 QUEEN STREET, BRISBANE, QUEENSLAND 4000, AUSTRALIA</p> <p>72) Name of the Inventor:</p> <p><b>1) O'DWYER, JAMES, MICHAEL</b></p>
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(57) Abstract : A power source (10) for providing energy to drive a mechanical device including a receiving chamber (11) and discrete propellant charges (23) for selective detonation whereby gases generated by the selective detonation expand into the receiving chamber (11) wherein said receiving chamber includes a reactive closure (15) which dynamically responds to pressure changes in the receiving chamber and wherein said power source further includes a linkage (16) associated with the reactive closure for transmitting energy from the dynamic response of the reactive closure to the mechanical device.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/P T/2002/00572/MUM A(22) Date of filing of 06/05/2002  
(PCT/FR01/00033) Application:

(54) Title of the invention: PICOLINIC ACID DERIVATIVES AND THEIR USE AS FUNGICIDES

(51) International classification: C07D 213/81

(30) Priority Data :

(31) Document No.: 00/00140

(32) Date : 06/01/2000

(33) Name of convention country : FRANCE

(66) Filed U/s. 5(2) : No

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

(71) Name of the Applicant:

AVENTIS CROPS SCIENCE S.A.

Address of the Applicant:

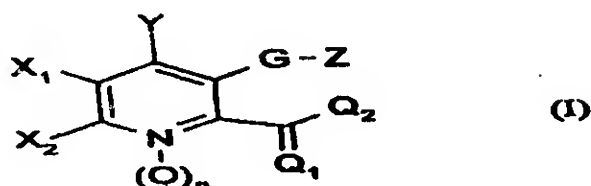
55 AVENUE RENE CASSIN, F-69009 LYON, FRANCE

Name of the Inventor:

(72)

- 1) NIETO-ROMAN, FRANCISCO
- 2) VORS, JEAN-PIERRE
- 3) VILLIER, ALAIN
- 4) LACHAISE, HELENE
- 5) MOUSQUES, ADELINE
- 6) HARTMANN, BENOIT
- 7) HUTIN, PIERRE
- 8) MOLINA, JOSE LORENZO
- 9) MULLER, BENOIT

(57) Abstract :



The invention concerns compounds of general formula (I) wherein: n, G, Q<sub>1</sub>, Q<sub>2</sub>, X<sub>1</sub>, X<sub>2</sub>, Y and Z are as defined in the description, the method for preparing said compounds, fungicide compositions comprising said compounds and methods for treating plants using said compounds or compositions.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00573/MUM A(22)** Date of filing of **06/05/2002**  
(PCT/US00/32043) Application:

(54) Title of the invention: **IMPROVED TRANSDERMAL CONTRACEPTIVE DELIVERY SYSTEM AND PROCESS**

<p>(51) International classification: <b>A61F 13/00</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>60/167,535</b></p> <p>(32) Date : <b>24/11/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>No</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>LEVOPTECH, INC</b></p> <p>Address of the Applicant: <b>ONE TOWER BRIDGE, SUITE 1350, 100 FRONT STREET, WEST CONSHOHOCKEN, PA 19428, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) CHIEN, TE-YEN</b></p>

(57) Abstract : A transdermal contraceptive delivery system (TCDS) for fertility control in women is described comprising a backing layer, an adjoining layer of a solid absorption adhesive polymer matrix in which minimum effective daily doses of an estrogen and a progestin are dispersed and released for transdermal absorption. Presently preferred is use of the synthetic estrogen, ethinyl estradiol, and the synthetic progestin, levonorgestrel. Along with these two steroidal contraceptive agents, a combination of several chemical skin permeation enhancing agents, including capric acid, blended at specific weight ratios, ranging from 2.0:1:1:0.8 to 6:1:1:0.8 are homogeneously dispersed in the adhesive polymer matrix. The invention also provides a method of fertility control utilizing the transdermal contraceptive delivery system.

Figure : I.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00574/MUM A(22) Date of filing of 06/05/2002  
(PCT/NO00/00372) Application:

(54) Title of the invention: OPERATING DEVICE FOR ELECTRONIC FUNCTIONAL EQUIPMENT

<p>(51) International classification: G06F 3/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 19995520 2) 19996001 3) 20004375</p> <p>(32) Date : 1) 11/11/1999 2) 06/12/1999 3) 01/09/2000</p> <p>(33) Name of convention country : NORWAY</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>ZIAD BADARNEH</b></p> <p>Address of the Applicant: <b>CARL KJELSENS VEI 34, N-0874 OSLO, NORWAY</b></p> <p>72) Name of the Inventor:</p> <p><b>1) BADARNEH, ZIAD</b></p>
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(57) Abstract : An operating device for electronic functional equipment, optionally in interaction with a display unit, where the device has a control element that is depressible for activation of switch function, and stepwise is either longitudinally movable or rotatable in relation to the operating device housing, the movement of the control element preferably being indicatable, and where the device has means for detecting the stepwise movement of the control element. On each side of the movement path of the control element there is respectively provided a first and second switch, depressible in the z direction. In connection with the control element there is provided a third switch, the control element being adapted to be depressible for activation of the third switch. Said first, second and third switches are interrelated to provide three possible options in the x direction for respective stepwise position of the control element in the y direction.

Figure : 3, 4.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00575/MUM A(22) Date of filing of Application: 07/05/2002  
(PCT/JP01/08272)

(54) Title of the invention: HINGE DEVICE

<p>(51) International classification: F16C 11/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-299501</p> <p>(32) Date : 29/09/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>SUGATSUNE KOGYO CO., LTD.</p> <p>Address of the Applicant: 8-11, HIGASHIKANDA, 1-CHOME, CHIYODA-KU, TOKYO 101-8633, JAPAN</p> <p>72) Name of the Inventor:</p> <p>1) OSHIMA, KAZUYOSHI 2) KOSHIKAWA, SHINICHIRO 3) IMAI, KATSUYA</p>

(57) Abstract : A hinge device (1) used for foldable cell phone, wherein a pair of abutting members (5, 6) are forcibly rotated by the energizing force of an energizing means (7) to a neutral position where the center parts of the projected part (54) and the recessed part (64) of the abutting members are generally aligned with each other in circumferential direction, the projected part is brought into contact with the recessed part at both side parts of the abutting members is circumferential direction when the pair of abutting members are rotated to the neutral position, and the outer surface of the projected part and both side surfaces of the recessed part in circumferential direction should desirably be formed in an are surface and on outwardly projected are surface, respectively.

Figure : 5.

**Publication After 18 months**

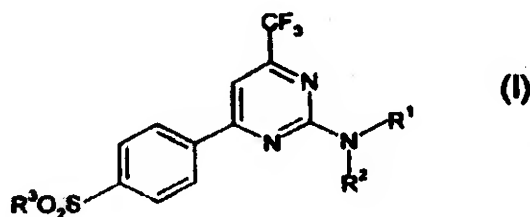
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00576/MUM A(22) Date of filing of Application: 07/05/2002  
(PCT/EP00/11673)

(54) Title of the invention: PYRIMIDINE DERIVATIVES AS SELECTIVE INHIBITORS OF COX-2

<p>(51) International classification: C07D 239/42</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9927844.2</p> <p>(32) Date : 26/11/1999</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>GLAXO GROUP LIMITED</b></p> <p>Address of the Applicant: <b>GLAXO WELLCOME HOUSE, BERKELEY AVENUE, GREENFORD, MIDDLESEX UB6 0NN, UNITED KINGDOM</b></p> <p>(72) Name of the Inventor:</p> <p><b>1) GREEN, RICHARD, HOWARD 2) HARTLEY, CHARLES, DAVID 3) NAYLOR, ALAN 4) PAYNE, JEREMY, JOHN 5) PEGG, NEIL, ANTHONY</b></p>
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(57) Abstract :



The invention provides the compounds of formula (1) and pharmaceutically acceptable derivatives thereof, in which:  $R^1$  and  $R^2$  are independently selected from H,  $C_{1-6}$ alkyl,  $C_{2-6}$ alkenyl,  $C_{3-6}$ alkynyl,  $C_{3-10}$ cycloalkyl,  $C_{0-6}$ alkyl or  $C_{4-12}$ bridged cycloalkane; and  $R^3$  is  $C_{1-6}$ alkyl or  $NH_2$ . Compounds of formula (1) are potent and selective inhibitors of COX-2 and are of use in the treatment of the pain, fever, inflammation of a variety of conditions and diseases.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00577/MUM A(22) Date of filing of 07/05/2002  
(PCT/SE00/02378) Application:

(54) Title of the invention: PHARMACEUTICAL COMBINATIONS

(51) International classification: A61K 31/7076	71) Name of the Applicant:
(30) Priority Data :	ASTRAZENECA AB
(31) Document No.: 9904377-0	
(32) Date : 01/12/1999	Address of the Applicant:
(33) Name of convention country : SWEDEN	S-151 85 SODERTALJE, SWEDEN
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) DIXON, JOHN
(63) Divisional to Application No.: NIL	2) HUMPHRIES, ROBERT
(64) Filed on: N.A.	3) JARVIS, GAVIN
	4) KIRK, IAN

(57) Abstract : The present invention provides novel pharmaceutical combinations and their use in anti-thrombotic therapy.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00578/MUM A(22) Date of filing of 07/05/2002  
(PCT/FR00/02831) Application:

(54) Title of the invention: COLLOIDAL SUSPENSION OF SUBMICRONIC PARTICLES AS VECTORS FOR ACTIVE PRINCIPLES AND METHOD FOR PREPARING SAME

<p>(51) International classification: A61K 9/16</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99/14,751</p> <p>(32) Date : 23/11/1999</p> <p>(33) Name of convention country : FRANCE</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>FLAMEL TECHNOLOGIES</p> <p>Address of the Applicant:</p> <p>PARC CLUB DU MOULIN A VENT, 33 AVENUE DU DOCTEUR G. LEVY, F-69693 CEDEX VENISSIEUX, FRANCE</p> <p>72) Name of the Inventor:</p> <p>1) TOURAUD, FRANCK 2) BRYSON, NATHAN</p>

(57) Abstract : The invention concerns a suspension of particles as carriers (PV) for active principles (PA). Said vector particles (PV) are based on polyamino acids (PAA). They have a mean hydrodynamic diameter (Dh) ranging between 30 and 120 nm and have an insulin load factor (Ta) ranging between 5 and 25 % of associated insulin volume relative to the polyamino acid volume forming the carrier principles. The polyamino acids are double-block polymers comprising hydrophilic (AAI) and hydrophobic (AAO) monomers. The invention also concerns a solid powder substance from which are derived the carrier particles and the preparation of said solid powder substance and said suspension of carrier particles. Said preparation consists in copolymerising N-car-boxy anhydrides of hydrophobic monomers and precursors of hydrophilic monomers, in the presence of N-methyl pyrrolidone and methanol. The precursors of the hydrophilic monomers are then transformed into hydrophilic monomers by acid hydrolysis. Optionally the copolymer is neutralised, subjected to dialysis, concentrated and the water is eliminated. Thus a solid powder substance or suspended carrier particles are produced. Active principles (such as insulin or vaccines) are associated with said carrier particles for preparing special pharmaceutical products.

Figure : 1, 2, 3, 4.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00579/MUM A (22) Date of filing of Application: 07/05/2002  
(PCT/EP00/12063)

(54) Title of the invention: INFECTIOUS CLONES

<p>(51) International classification: A61K 39/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9902673</p> <p>(32) Date : 03/12/1999</p> <p>(33) Name of convention country : SPAIN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS.</p> <p>Address of the Applicant: SERRANO, 117, E-28006 MADRID, SPAIN</p> <p>72) Name of the Inventor:</p> <p>1) ENJUANES SANCHEZ, LUIS</p>

(57) Abstract : The present invention relates to methods of preparing a DNA comprising steps, wherein (a) a DNA comprising a full length copy of the genomic RNA (gRNA) or an RNA virus; or (b) a DNA comprising one or several fragments of a gRNA of an RNA virus, which fragments code for an RNA dependent RNA polymerase and at least one structural or non-structural protein; or (c) a DNA having a homology of at least 60% to the sequences of (a) or (b); is cloned into a bacterial artificial chromosome (BAC). Additionally, DNAs are provided, which comprise sequences derived from the genomic RNA (gRNA) of coronavirus which sequences have a homology of at least 60% to the natural sequence of the virus and code for an RNA dependent RNA polymerase and at least one structural or no-structural protein, wherein a fragment of said DNA is capable of being transcribed into RNA which RNA can be assembled to a virion. Further, the use of these nucleic acids for preparation of viral RNA or virions as well as pharmaceutical preparations comprising these DNAs, viral RNAs or virions is disclosed.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00580/MUM A(22) Date of filing of 07/05/2002  
(PCT/GB01/00297) Application:

(54) Title of the invention: APPARATUS FOR SPLITTING THE FREQUENCY BAND OF AN INPUT SIGNAL

<p>(51) International classification: H03H 17/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0004700.1</p> <p>(32) Date : 28/02/2000</p> <p>(33) Name of convention country: GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>R. F. ENGINES LTD.</p> <p>Address of the Applicant:</p> <p>SEYMOUR HOUSE, 19, NODGHAM LANE, CARISBROOKE, ISLE OF WIGHT PO30 1 NY, GREAT BRITAIN</p> <p>72) Name of the Inventor:</p> <p>I) LILLINGTON, JOHN</p>

(57) Abstract : An apparatus for frequency content separating an input signal, said apparatus comprising a plurality of frequency splitting stages, each stage including one or more up-converter and down-converter pairs, and up-converter and down-converter pair serving to receive a complex input signal representing an input bandwidth and to output a first complex output signal representing an upper portion of said input bandwidth and a second complex output signal representing a lower portion of said input bandwidth, said first portion and said second portion being contiguous and together representing said input bandwidth portion.

Figure : 6.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00581/MUM A(22) Date of filing of 08/05/2002  
(PCT/EP00/10227) Application:

(54) Title of the invention: IMPROVING THE CREASE RECOVERY OF FABRICS

<p>(51) International classification: D06M 13/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9926560.5</p> <p>(32) Date : 09/11/1999</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>1) HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant:</p> <p>1) HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA 400020, MUMBAI, INDIA</p> <p>72) Name of the Inventor:</p> <p>1) MOONEY WILLIAM</p>

(57) Abstract : The crease recovery of fabrics can be improved using C<sub>20</sub> – C<sub>40</sub> saturated or unsaturated aliphatic hydrocarbons which have melting points below 0°C, such as squalane. The hydrocarbons may be included in garment care products adapted for use in a tumble dryer, such as flexible sheets, in sprayable formulation or in fabrics care compositions, such as fabric conditioning compositions which comprise a fabric softening agent. Fabrics may be treated with the hydrocarbons as part of domestic laundering process.

Figure : 3.

**Publication After 18 months**

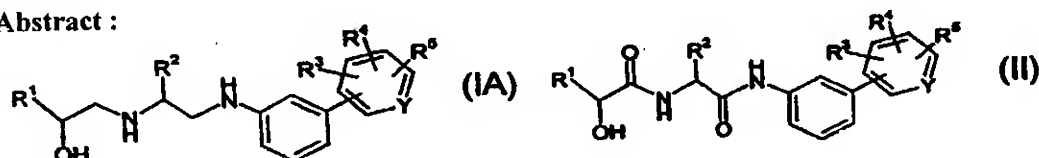
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00582/MUM A(22) Date of filing of 08/05/2002  
(PCT/GB00/04697) Application:

(54) Title of the invention: PROCESS FOR THE PREPARATION OF ARYLETHANOLAMINE DERIVATIVES HAVING AN ANTI-OBESITY AND ANTI-DIABETIC PROPERTIES

(51) International classification: C07C237/06	71) Name of the Applicant:
(30) Priority Data :	GLAXO GROUP LIMITED
(31) Document No.: 9929297.1	
(32) Date : 11/12/1999	Address of the Applicant:
(33) Name of convention country : GREAT BRITAIN	GLAXO WELLCOME HOUSE, BERKELEY AVENUE, GREENFORD, MIDDLESEX UB6 0NN, ENGLAND
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	1) LAWRENCE, RONNIE, MAXWELL
(64) Filed on: N.A.	2) MILLAR, ALAN

(57) Abstract :



A process for the preparation of a compound of Formula (IA) or a pharmaceutically acceptable salt thereof: wherein  $R^1$  is an aryl, pyridyl, thiazolyl, phenoxymethyl, or pyrimidyl group, optionally substituted by one or more substituents selected from the group consisting of halogen, hydroxy,  $C_{1-6}$ alkoxy,  $C_{1-6}$ alkyl, hydroxymethyl, trifluoromethyl,  $-NR^6R^6$ , and  $-NHSO_2R^6$ , where each  $R^6$  is independently hydrogen or  $C_{1-4}$ alkyl;  $R^2$  is hydrogen or  $C_{1-6}$ alkyl;  $R^3$  is  $CO_2R^7$  where  $R^7$  is hydrogen or  $C_{1-6}$ alkyl;  $R^4$  and  $R^5$  are independently hydrogen,  $C_{1-6}$ alkyl, or  $-CO_2C_{1-6}$ alkyl; and Y is N or CH comprising the step of preparing a diamide of Formula (II) or a pharmaceutically acceptable salt thereof: wherein  $R^1$  is an aryl, pyridyl, thiazolyl, phenoxymethyl, or pyrimidyl group, optionally substituted by one or more substituents selected from the group consisting of halogen, hydroxy,  $C_{1-6}$ alkoxy,  $C_{1-6}$ alkyl, hydroxymethyl, trifluoromethyl,  $-NR^6R^6$ , and  $-NHSO_2R^6$ , where each  $R^6$  is independently hydrogen or  $C_{1-4}$ alkyl;  $R^2$  is hydrogen or  $C_{1-6}$ alkyl;  $R^3$  is  $CO_2R^7$  where  $R^7$  is  $C_{1-6}$ alkyl;  $R^4$  and  $R^5$  are independently hydrogen,  $C_{1-6}$ alkyl,  $-CO_2C_{1-6}$ alkyl; and Y is N or CH.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00583/MUM (22) Date of filing of Application: 08/05/2002  
(PCT/EP00/11995)

(54) Title of the invention: SUBSTITUTED OXAZOLES AND THIAZOLES DERIVATIVES AS HPPAR ALPHA ACTIVATORS

(51) International classification: C07D 277/56

(30) Priority Data :

(31) Document No.: 1) 9928561.1  
2) 0003500.6

(32) Date : 1) 02/12/1999  
2) 15/02/2000

(33) Name of convention country : GREAT BRITAIN

(66) Filed U/s. 5(2) : YES

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

71) Name of the Applicant:

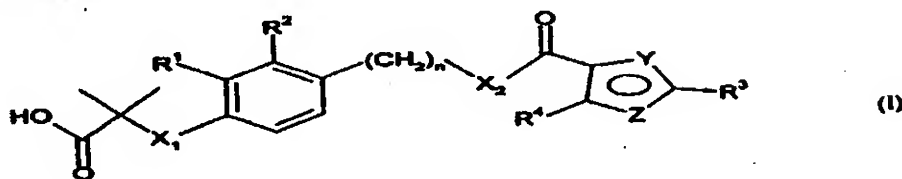
GLAXO GROUP LIMITED

Address of the Applicant:  
GLAXO WELLCOME HOUSE,  
BERKELEY AVENUE,  
GREENFORD, MIDDLESEX UB6  
0NN, ENGLAND

72) Name of the Inventor:

1) SIERRA, MICHAEL, LAWRENCE

(57) Abstract :



A compound of formula (I) and pharmaceutically acceptable salts, solvates and hydrolysable esters thereof wherein;  $X^1$  represents O or S;  $R^1$  and  $R^2$  independently represent H, halogen,  $-CH_3$  and  $OCH_3$ ;  $n$  represents 1 or 2;  $X_2$  represents NH,  $NCH_3$  or O; One of Y and Z is N, and the other is O or S;  $R^3$  represents phenyl or pyridyl (wherein the N is in position 2 or 3) and is optionally substituted by one or more halogen,  $NO_2$ ,  $NH_2$ ,  $CF_3$ ,  $OCF_3$ ,  $OC_{1-6}$  straight or branched alkyl,  $C_{1-6}$  straight or branched alkyl, alkenyl or alkynyl with the provision that when  $R^3$  is pyridyl, the N is unsubstituted;  $R^4$  represents  $CF_3$  or  $CH_3$ .

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00584/MUM A (22) Date of filing of Application: 08/05/2002  
(PCT/US00/32785)

(54) Title of the invention: HETEROCYCLIC DIHYDROPYRIMIDINES AS POTASSIUM CHANNEL INHIBITORS

<p>(51) International classification: C07D 487/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/169,091 2) 60/236,037</p> <p>(32) Date : 1) 06/12/1999 2) 28/09/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : YES</p>	<p>71) Name of the Applicant:</p> <p>BRISTOL-MYERS SQUIBB COMPANY</p> <p>Address of the Applicant: P.O. BOX 4000, PRINCETON, NEW JERSEY 08543-4000, U.S.A.</p>
<p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>72) Name of the Inventor:</p> <p>1) ATWAL, KARNAIL, S. 2) VACCARO, WAYNE 3) LLOYD, JOHN 4) FINLAY, HEATHER 5) YAN LIN 6) BHANDARU RAO S.</p>

(57) Abstract : Novel heterocyclic dihydropyrimidine compounds useful as inhibitors of potassium, channel function (especially inhibitors of the  $K_v1$  subfamily of voltage gated  $K^+$  channels, especially inhibitors  $K_v1.5$  which has been linked to the ultra-rapidly activating delayed rectifier  $K^+$  current  $I_{Kur}$ ), method of using such compounds in the prevention and treatment of arrhythmia and  $I_{Kur}$ -associated conditions, and pharmaceutical compositions containing such compounds.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00585/MUM A (22) Date of filing of Application: 08/05/2002  
(PCT/US00/34202)

(54) Title of the invention: PRODUCTION OF POLYTRIMETHYLENE ETHER GLYCOL AND COPOLYMERS THEREOF

(51) International classification: C08G 65/34	71) Name of the Applicant:
(30) Priority Data :	E.I.DU PONT DE NEMOURS AND COMPANY
(31) Document No.: 60/172,264	Address of the Applicant:
(32) Date : 17/12/1999	1007, MARKET STREET,
(33) Name of convention country : USA	WILMINGTON, DELAWARE 19898, U.S.A.
(66) Filed U/s. 5(2) : No	72) Name of the Inventor:
(61) Patent of addition to application No.: NIL	1) SUNKARA, HARI, B
(62) Filed on : N.A.	2) MANZER, LEO, E.
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A process for the manufacture of polytrimethylene ether glycol comprising polycondensing a 1,3-propanediol reactant selected from the group consisting of 1,3-propanediol and/or oligomers or prepolymers of 1,3-propanediol having a degree of polymerization of 2-9 and mixtures thereof using a polycondensation catalyst to form a polytrimethylene ether glycol at less than one atmosphere pressure. In addition, polytrimethylene ether glycol has a number average molecular weight greater than 1,500, an APHA color of less than 120, an unsaturation of less than 20 meq/kg, and a content of cyclic ether oligomers of less than 2 %.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00586/MUM A(22) Date of filing of 08/05/2002  
(PCT/EP00/12909) Application:

(54) Title of the invention: HUMAN HEPARANASE-RELATED POLYPEPTIDE AND NUCLEIC ACID

<p>(51) International classification: C12N 9/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99125831.0</p> <p>(32) Date : 23/12/1999</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>SCHERING AKTIENGESELLSCHAFT</p> <p>Address of the Applicant: MULLERSTRASSE 178, 13353 BERLIN, GERMANY</p> <p>72) Name of the Inventor:</p> <p>1) SIEMEISTER, GERHARD 2) WEISS, BERTRAM</p>

(57) Abstract : The present invention relates to newly identified polynucleotides, and polypeptides encoded by such polynucleotides, the use of such polypeptides, as well as the production of such polynucleotides and polypeptides. More particularly, a polypeptide of the present invention is a heparanase-related endoglucuronidase. The invention also relates to vectors and host cells comprising a polynucleotide of the invention. Furthermore, the invention relates to antibodies directed to polypeptides according to the present invention and to pharmaceutical compositions and diagnostic reagents comprising such antibodies, polypeptides or polynucleotides. The invention further relates to a method of altering, modifying or otherwise modulating the level of expression of the heparanaserelated endoglucuronidase in a cell or in an organism. A further aspect of the invention are assay systems suitable for identifying modulators, e.g. agonists or antagonists of such polypeptides.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00587/MUM A(22) Date of filing of 08/05/2002  
(PCT/US00/31293) Application:

(54) Title of the invention: RECOMBINANT  $\alpha$ -L-IDURONIDASE, METHODS FOR PRODUCING AND PURIFYING THE SAME AND METHODS FOR TREATING DISEASES CAUSED BY DEFICIENCIES THEREOF

<p>(51) International classification: C12N 9/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NOT FURNISHED</p> <p>(32) Date : 12/11/1999</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>1) BIOMARIN PHARMACEUTICALS 2) HARBOR-UCLA RESEARCH AND EDUCATION INSTITUTE</p> <p>Address of the Applicant:</p> <p>1) SUITE 210, 371 BEL MARIN KEYS BOULEVARD, NOVATO, CALIFORNIA 94949, U.S.A. 2) 1124 WEST CARSON STREET, TORRANCE, CALIFORNIA 90502, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) HENDSTRAND, JOHN, M 2) QIN, MINIMIN 3) CHAN, WIA-PAN 4) CHEN, LIN 5) FITZPATRICK, PAUL, A 6) WENDT, DAN, J 7) ZECHERLE, GARY, N 8) STARR CHRISTOPHER M. 9) KAKKIS EMIL D</p>

(57) Abstract : The present invention provides a recombinant human  $\alpha$ -L-iduronidase and biologically active fragments and mutants thereof, large scale methods to produce and purify commercial grade recombinant human  $\alpha$ -L-iduronidase enzyme as well as methods to treat certain genetic disorders including  $\alpha$ -L-iduronidase deficiency and mucopolysaccharidosis I (MPS 1).

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00588/MUM A(22) Date of filing of 08/05/2002  
(PCT/US00/34203) Application:

(54) Title of the invention: CONTINUOUS PROCESS FOR THE PREPARATION OF POLYTRIMETHYLENE ETHER GLYCOL

<p>(51) International classification: C07C 41/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/172,126</p> <p>(32) Date : 17/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : No</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>E.LDU PONT DE NEMOURS AND COMPANY</b></p> <p>Address of the Applicant: <b>1007, MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) SUNKARA, HARI, B 2) MARCHILDON, ERNEST KEITH 3) NG HOWARD CHUNG-HO 4) MANZER LEO E</b></p>

(57) Abstract : The invention is a continuous process for the preparation of polytrimethylene ether glycol form 1,3-propanediol reactant. In addition, the invention is directed to a continuous multi-stage process comprising reacting at least one reactant in a liquid phase in an up-flow column reactor, and forming a gas or vapor phase by-product wherein the gas or vapor phase by-product is continuously removed at the top and at least one intermediate stage.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00589/MUM A(22) Date of filing of 09/05/2002  
(PCT/US01/01477) Application:

(54) Title of the invention: INDAZOLE COMPOUNDS, PHARMACEUTICAL  
COMPOSITIONS, AND METHODS FOR MEDIATING OR INHIBITING CELL  
PROLIFERATION

(51) International classification: C07D 231/56	71) Name of the Applicant:
(30) Priority Data :	AGOURON PHARMACEUTICALS, INC.
(31) Document No.: 60/176,484	
(32) Date : 18/01/2000	Address of the Applicant:
(33) Name of convention country : USA	10350, NORTH TORREY PINES ROAD, LA JOLLA, CALIFORNIA 92037-1020, U.S.A.
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) REICH, SIEGFRIED, HEINZ
(63) Divisional to Application No.: NIL	2) BLECKMAN, TED, MICHAEL
(64) Filed on: N.A.	3) KEPHART, SUSAN, ELIZABETH
	4) ROMINES, WILLIAM, HENRY, III
	5) WALLACE, MICHAEL, B

(57) Abstract : Indazole compounds that modulate and/or inhibit cell proliferation, such as activity of protein kinases are described. These compounds and pharmaceutical compositions containing them are capable of mediating, e.g., kinases-dependent diseases to modulate and/or inhibit unwanted cell proliferation. The invention is also directed to the therapeutic or prophylactic use of pharmaceutical compositions containing such compounds, and to methods of treating cancer as well as other disease state associated with unwanted angiogenesis and/or cellular proliferation, such as diabetic retinopathy, neovascular glaucoma, rheumatoid arthritis, and psoriasis, by administering effective amounts of such compounds.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00590/MUM A(22) Date of filing of Application: 09/05/2002  
(PCT/IB00/01748)

(54) Title of the invention: HETEROCYCLO-ARYLSULFONYL PYRAZOLE DERIVATIVES AS ANTI-INFLAMMATORY/ANALGESIC AGENTS

(51) International classification: C07D 401/04

(30) Priority Data :

(31) Document No.: 60/168,701

(32) Date : 03/12/1999

(33) Name of convention country : USA

(66) Filed U/s. 5(2) : YES

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

71) Name of the Applicant:

PFIZER PRODUCTS INC.

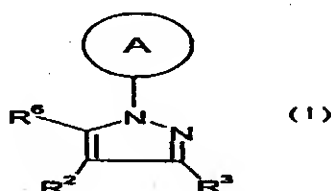
Address of the Applicant:

EASTERN POINT ROAD, GROTON,  
CONNECTICUT 06340, U.S.A.

72) Name of the Inventor:

1) CHENG, HENGMIAO  
2) LI, JIN  
3) LUNDY, KRISTIN, MARIE  
4) MINICH, MARTHA, LOU  
5) SAKYA, SUBAS, MAN  
6) UCHIDA, CHIKARA

(57) Abstract :



The present invention relates to compounds of formula (I) wherein  $R^2$ ,  $R^3$ ,  $R^6$  and A are defined as in the specification, to pharmaceutical compositions containing them and to their medicinal use. The compounds of the invention are useful in the treatment or alleviation of inflammation and other inflammation associated disorders, such as osteoarthritis, rheumatoid arthritis, colon cancer and Alzheimer's disease, in mammals (preferably humans, dogs, cats and livestock).

Figure : NIL



**Publication After 18 months**

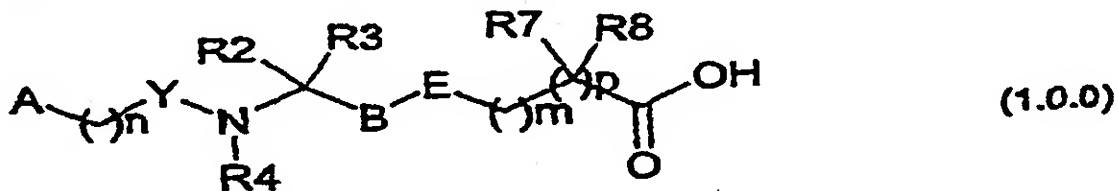
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.:** IN/PCT/2002/00591/MUM A(22) **Date of filing of** 09/05/2002  
(PCT/IB00/01893) **Application:**

(54) **Title of the invention:** NON-PEPTIDYL INHIBITORS OF VLA-4 DEPENDENT CELL BINDING USEFUL IN TREATING INFLAMMATORY, AUTOIMMUNE, AND RESPIRATORY DISEASES

<p>(51) <b>International classification:</b> C07D 413/04</p> <p>(30) <b>Priority Data :</b></p> <p>(31) <b>Document No.:</b> 60/173,260</p> <p>(32) <b>Date :</b> 28/12/1999</p> <p>(33) <b>Name of convention country :</b> USA</p> <p>(66) <b>Filed U/s. 5(2) :</b> YES</p> <p>(61) <b>Patent of addition to application No.:</b> NIL</p> <p>(62) <b>Filed on :</b> N.A.</p> <p>(63) <b>Divisional to Application No.:</b> NIL</p> <p>(64) <b>Filed on:</b> N.A.</p>	<p>71) <b>Name of the Applicant:</b></p> <p>PFIZER PRODUCTS INC.</p> <p><b>Address of the Applicant:</b></p> <p>EASTERN POINT ROAD, GROTON, CONNECTICUT 06340, U.S.A.</p> <p>72) <b>Name of the Inventor:</b></p> <p>1) CHUPAK, LOUIS, STANLEY 2) DUPLANTIER, ALLEN, JACOB 3) LAU, WAN, FANG 4) MILICI, ANTHONY, JOHN</p>
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(57) **Abstract :**



There is disclosed a genus of non-peptidyl compounds, wherein said compounds are VLA-4 inhibitors useful in treating inflammatory, autoimmune, and respiratory diseases, and wherein said compound comprise a compound of formula (1.0.0) and pharmaceutically acceptable salts and other prodrug derivatives thereof.

**Figure : NIL**

**Publication After 18 months**

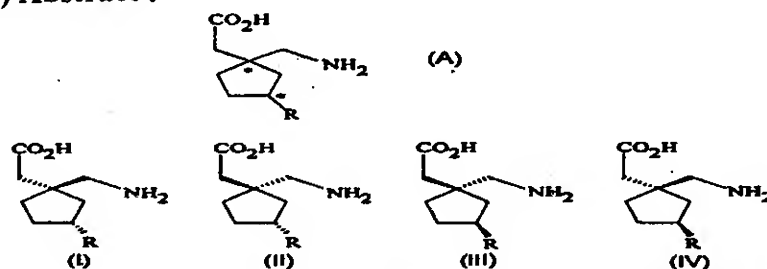
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00592/MUM A (22) Date of filing of Application: 09/05/2002  
(PCT/US00/32570)

(54) Title of the invention: METHOD FOR THE STEREOSELECTIVE SYNTHESIS OF CYCLIC AMINO ACIDS

<p>(51) International classification: C07C 227/32</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/169,602</p> <p>(32) Date : 08/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>WARNER-LAMBERT COMPANY</p> <p>Address of the Applicant: 201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) BRYANS, JUSTIN, STEPHEN 2) BLAKEMORE, DAVID, CLIVE</p>

(57) Abstract :



The instant invention is a route to stereospecific 3-substituted 5-membered ring isomers of Formula (A). The final products are useful as agents in the treatment of epilepsy, faintness attacks, hypokinesia, cranial disorders, neurodegenerative disorders, depression, anxiety, panic, pain, neuropathological disorders, gastrointestinal disorders such as irritable bowel syndrome (IBS), inflammation especially arthritis, sleep disorders, premenstrual syndrome, and hot flashes. The invention provides novel routes to synthesize stereoselectively analogs of gabapentin (Neurontin®) of Formulas (I), (II), (III) and (IV) wherein R is C<sub>1</sub>-C<sub>10</sub> alkyl or C<sub>3</sub>-C<sub>10</sub> cycloalkyl and pharmaceutically acceptable salts thereof.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00593/MUM A(22) Date of filing of 09/05/2002  
(PCT/US00/29049) Application:

(54) Title of the invention: WOVEN FABRICS PARTICULARLY USEFUL IN THE  
MANUFACTURE OF OCCUPANT SUPPORT STRUCTURES

<p>(51) International classification: D03D 9/00, 19/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/449,789</p> <p>(32) Date : 26/11/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>MILLIKEN &amp; COMPANY</p> <p>Address of the Applicant: 920, MILLIKEN ROAD, SPARTANBURG, SC 29303, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) SALWAY, DOUGLAS 2) WILLIAMS, JAN, L 3) GILLIG, DANIEL, P 4) WALDROP, ANTHONY, R</p>

(57) Abstract : A fabric particularly useful in the manufacture of occupant support structures is described. The fabric is desirably leno woven to have a high degree of openness and such that at least a plurality of the yarn intersections are stabilized from relative motion. The fabric includes elastomeric synthetic yarns in at least one fabric direction. At least some of the points of yarn intersection can be supplementally stabilized from relative motion, such as through the use of bicomponent yarns having a sheath which is melted to secure intersecting yarns together. The fabric is also resistant to ultraviolet irradiation so that it retains its physical properties after accelerated exposure to UV irradiation. The fabric provides good support and ventilation, and is suitable for use as surface fabric in automotive and seating applications.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00594/MUM A(22) Date of filing of Application:** **09/05/2002**  
(PCT/GB00/04444)

(54) Title of the invention: **PROCESS FOR CONVERTING SYNTHESIS GAS INTO HIGHER HYDROCARBONS**

<p>(51) International classification: <b>C07C 1/06</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>9928132.1</b></p> <p>(32) Date : <b>26/11/1999</b></p> <p>(33) Name of convention country : <b>GREAT BRITAIN</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>BP EXPLORATION OPERATING COMPANY LIMITED</b></p> <p>Address of the Applicant: <b>BRITANNIC HOUSE, 1 FINSBURY CIRCUS, LONDON EC2M 7BA, UNITED KINGDOM</b></p> <p>72) Name of the Inventor:</p> <p><b>1) KETLEY, GRAHAM, WALTER</b> <b>2) NAY, BARRY</b> <b>3) NEWTON, DAVID</b></p>

(57) Abstract : A process for the conversion of synthesis gas into higher hydrocarbon products in a system comprising a high shear mixing zone and a post mixing zone wherein the process comprises: a) passing a suspension of catalyst in a liquid medium through the high shear mixing zone where the suspension is mixed with synthesis gas; b) discharging a mixture of synthesis gas and suspension from the high shear mixing zone into the post mixing zone; c) converting at least a portion of the synthesis gas to higher hydrocarbons in the post mixing zone to form a product suspension comprising catalyst suspended in the liquid medium and the higher hydrocarbons; d) separating a gaseous stream comprising unconverted synthesis gas from the product suspension; e) recycling the separated gaseous stream to the high shear mixing zone; and f) recycling at least a portion of the product suspension to the high shear mixing zone.

Figure : **NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00595/MUM A(22) Date of filing of 09/05/2002  
(PCT/US00/31810) Application:

(54) Title of the invention: APPARTUS AND METHOD FOR COOLING POWER TRANSFORMERS

<p>(51) International classification: H01F 27/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/166,065</p> <p>(32) Date : 17/11/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>TREXCO, LLC</p> <p>Address of the Applicant: 3520 WASHINGTON BOULEVARD, INDIANAPOLIS, INDIANA 46205, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) LONGARDNER, ROBERT, L 2) VISNESKY, ANTHONY, M., JR.</p>
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(57) Abstract : A system (27) for reducing the temperature of cooling oil for a power transformer (12) includes a heat exchanger (44) interposed in the cooling oil system. The heat exchanger (44) relies upon a liquid-to-liquid exchange of heat from the heated oil to a coolant flowing through the heat exchanger. In one embodiment, the coolant provided to the heat exchanger is obtained from an absorption chiller (65). Heat energy is provided to the chiller (65) from a heat storage device (80). In a specific embodiment, the heat storage source (80) can be a phase change material device. In a preferred cooling system, a programmable controller (55) determines the activation and operation of the system. The controller (55) can sense transformer or cooling oil temperature to trigger activation. In a preferred embodiment, the controller (55) compares a current temperature to trigger activation. In a preferred embodiment, the controller (55) compares a current temperature history against a temperature profile to anticipate increased cooling requirements. In certain embodiment, excess, off-peak or waste heat from the transformer (12) itself is provided to the heat storage device (80) or to the phase change heat exchanger.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00596/MUM A(22) Date of filing of Application: 09/05/2002  
(PCT/EP00/10019)

(54) Title of the invention: ACTIVATION OF ANTIGEN-SPECIFIC T CELLS BY VIRUS/ANTIGEN-TREATED DENDRITIC CELLS

<p>(51) International classification: A61K 39/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99119980.3</p> <p>(32) Date : 13/10/1999</p> <p>(33) Name of convention country : EP</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>DR. THORSTEN AHLERT</p> <p>Address of the Applicant: LANGGEWANN 63, 69121 HEIDELBERG, GERMANY</p> <p>72) Name of the Inventor:</p> <p>1) AHLERT, THORSTEN</p>
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(57) Abstract : The present invention relates to a T cell activating agent containing dendritic cells (DC) treated with virus-treated antigen and/or dendritic cells treated separately with virus and antigen, which may be used as a vaccine to stimulate an immune response in a patient obtainable by the activation of antigen-specific T cells (TC) *in vivo*, to a composition containing activated TC which are activated by the T cell activating agent *in vitro*, to a pharmaceutical composition containing the T cell activating agent and/or the composition as well as to methods for their production.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00597/MUM A(22) Date of filing of 10/05/2002  
(PCT/US00/34842) Application:

(54) Title of the invention: A THERMALLY STABLE, HIGH SURFACE AREA, MODIFIED MESOPOROUS ALLUMINOPHOSPHATE

<p>(51) International classification: B01J 29/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/468,451</p> <p>(32) Date : 21/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>MOBIL OIL CORPORATION</p> <p>Address of the Applicant: 5200 BAYWAY DRIVE, BAYTOWN, TEXAS 77520-5200, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) CHESTER, ARTHUR, W 2) DAUGHERTY, FREDERICK, E 3) KRESGE, CHARLES, T 4) TIMKEN, HYE-KYUNG, C 5) VARTULI, JAMES, C</p>
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(57) Abstract : A mesoporous aluminophosphate material includes a solid aluminophosphate composition modified with at least one element selected from zirconium, cerium, lanthanum, manganese, cobalt, zinc, and vanadium. This mesoporous aluminophosphate material has a specific surface area of at least 100 m<sup>2</sup>/g, an average pore size less than or equal to 100 Å, and a pore size distribution such that at least 50 % of the pores have a pore diameter less than 100 Å. The material can be used as a support for a catalytic cracking catalyst. Additionally, a method for making such a mesoporous aluminophosphate material is disclosed. The method, which preferably avoids use of organic reagents or solvents, includes providing an aqueous solution containing an inorganic phosphorus component; an inorganic aluminum containing component; and an inorganic modifying component containing at least one element selected from zirconium, cerium, lanthanum, manganese, cobalt, zinc, and vanadium. A solid mesoporous aluminophosphate material is formed in the solution by adjusting the pH of the solution to the range of 7 to 12 and is then recovered.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00598/MUM A(22) Date of filing of Application: 10/05/2002  
(PCT/US00/32820)

(54) Title of the invention: METHOD FOR USING HYDROPHOBICALLY ASSOCIATIVE POLYMERS IN PREPARING CELLULOSIC FIBER COMPOSITIONS, AND CELLULOSIC FIBER COMPOSITIONS INCORPORATING THE HYDROPHOBICALLY ASSOCIATIVE POLYMERS

<p>(51) International classification: D21H 21/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/455,027</p> <p>(32) Date : 06/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>HERCULES INCOPORATED</p> <p>Address of the Applicant:</p> <p>1313 NORTH MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE 19894-0001, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) HARRINGTON, JOHN, C 2) ZHANG, HUASHI, T</p>

(57) Abstract : A papermaking method and a composition which utilize, as a drainage aid, a water soluble hydrophobically associative polymer which is a copolymer prepared from monomers which include a hydrophobic ethylenically unsaturated monomer, and one or more of a nonionic ethylenically unsaturated monomer, a cationic ethylenically unsaturated monomer, and an anionic ethylenically unsaturated monomer.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00599/MUM A(22) Date of filing of Application: 10/05/2002  
(PCT/SE00/02246)

(54) Title of the invention: A BLOCK HOLDER FOR A BOGIE BRAKE

<p>(51) International classification: B61H 1/00, 13/34</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904185-7</p> <p>(32) Date : 18/11/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>SAB WABCO AB</p> <p>Address of the Applicant: BOX 515, SE-261 24 LANDSKRONA, SWEDEN</p> <p>72) Name of the Inventor:</p> <p>1) EMILSSON, FRED 2) NYMAN, JOHAN</p>

(57) Abstract : A rail vehicle bogie brake has a brake beam (4, 5), which at its end is provided with a brake block holder (8) having a brake block (9) for brake application against a tread of a wheel. The brake block holder has transverse cylinder (19) for its pivotable connection with the brake beam. A mounting shaft (14) is attached in the end of the brake beam and is provided with a sleeve (16). The sleeve engages the mounting shaft and has an outer diameter corresponding to the inner diameter of the cylinder. A sleeve plate (17) is held against the sleeve, which is slightly longer than the cylinder, by means of screws (18) attached in the mounting shaft and prestressing the sleeve.

Figure : 3.

**Publication After 18 months :**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00600/MUM A(22) Date of filing of 10/05/2002  
(PCT/US00/32382) Application:

(54) Title of the invention: PREPARATION OF 3-SUBSTITUTED-4-ARYLQUINOLIN-2-ONE DERIVATIVES

(51) International classification: C07D 217/22	71) Name of the Applicant:
(30) Priority Data :	BRISTOL-MYRES SQUIBB COMPANY
(31) Document No.: 60/168,346	
(32) Date : 01/12/1999	Address of the Applicant:
(33) Name of convention country : USA	LAWRENCEVILLE-PRINCETON RO., P O BOX 4000, PRINCETON, NEW JERSEY 08543-4000, U.S.A.
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) CRISPINO, GERARD
(63) Divisional to Application No.: NIL	2) WANG, SHAOPENG
(64) Filed on: N.A.	3) LI, JUN

(57) Abstract : The present invention relates to a process for the preparation of 3-substituted-4-arylquinolin-2-one derivatives from a substituted coumarin and using a photochemical cyclization method on a dihydrofuran intermediate.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00601/MUM A (22) Date of filing of Application: 10/05/2002  
(PCT/JP01/08273)

(54) Title of the invention: HINGE DEVICE

<p>(51) International classification: F16C 11/10</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-299502</p> <p>(32) Date : 29/09/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>SUGATSUNE KOGYO CO., LTD.</p> <p>Address of the Applicant: 8-11, HIGASHIKANDA, 1 – CHOME, CHIYODA-KU, TOKYO 101-8633, JAPAN</p> <p>72) Name of the Inventor:</p> <p>1) OHSIMA, KAZUYOSHI 2) KOSHIKAWA, SHINICHIRO 3) IMAI, KATSUYA</p>

(57) Abstract : A hinge device (1) used for foldable cell phone, comprising a pair of abutting members (5, 6) an energizing means (7) energizing the abutting members so that the abutting members are pressingly brought into contact with each other, a projected part (54) extending in the radial direction of one abutting member (5), and a recessed part (64) is formed of an inside recessed part and an outside recessed part on the radial inner and outer sides of the abutting members, and the inside recessed part is formed along the center line of the device and the outside recessed part is formed so that the width thereof is increased from the inside recessed part to the outside so that the side surface of the recessed part is generally formed in the shape of chevron.

Figure : 5.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00602/MUM A(22) Date of filing of 13/05/2002**  
(PCT/US01/02288) **Application:**

(54) Title of the invention: **ADJUSTABLE CUTTING MECHANISM**

<p>(51) International classification: <b>B02C 18/18</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>09/514,982</b></p> <p>(32) Date : <b>29/02/2000</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p>	<p>(71) Name of the Applicant:</p> <p><b>RECOT, INC</b></p> <p><b>Address of the Applicant:</b> <b>5000 HOPYARD ROAD, SUITE 460,</b> <b>PLEASANTON, CA 94588, U.S.A.</b></p>
<p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>(72) Name of the Inventor:</p> <p><b>1) TRICK KEVIN MATTHEW</b> <b>2) VINDIOLA, GEORGE, ANTHONY</b></p>

(57) Abstract : An adjustable cutting mechanism for mounting on an extruder. The cutting mechanism incorporates a square stock blade holder (452) that is axially adjustable and holds a shortened cutting blade (454). The axial adjustment allows for uniform contact of the cutting mechanism blades with an associated extruder die surface (114). A shorter blade, along with the adjustability of the mechanism for contact with the die face, prevents deflection of the cutting blade and, thereby, insures the precise cutting action needed for the product to maintain shape integrity.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00603/MUM A(22) Date of filing of 13/05/2002  
(PCT/GB00/04368) Application:

(54) Title of the invention: NOVEL COMPOSITION AND USE

(51) International classification: A61K 31/00	71) Name of the Applicant:
(30) Priority Data :	SMITHKLINE BEECHAM P.L.C.
(31) Document No.: 1) 9927119.9 2) 9927120.7 3) 0013236.5 4) 0013240.7	Address of the Applicant: 980 GREAT WEST ROAD, BRENTFORD, MIDDLESEX, TW8 9GS. UNITED KINGDOM
(32) Date : 1) 16/11/1999 2) 16/11/1999 3) 31/05/2000 4) 31/05/2000	
(33) Name of convention country : GREAT BRITAIN	
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) SMITHKLINE BEECHAM PHARMACEUTICALS
(63) Divisional to Application No.: NIL	2) LILLIOTT, NICOLA, JAYNE
(64) Filed on: N.A.	3) MACKENZIE, DONALD, COLIN

(57) Abstract : A pharmaceutical composition, comprising a thiazolidinedione, such as Compound (I), metformin hydrochloride and a pharmaceutically acceptable carrier, wherein the thiazolidinedione and metformin hydrochloride are each dispersed within its won pharmaceutically acceptable carrier in the pharmaceutical composition and the use of such a composition in medicine.

Figure : NIL

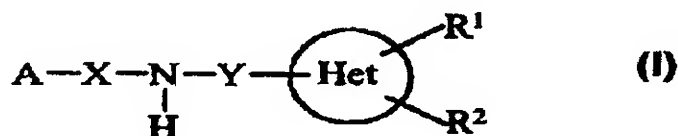
**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: **IN/PCT/2002/00604/MUM A(22) Date of filing of 13/05/2002**  
 (A CT/FR00/03067) Application:
- (54) Title of the invention: **NOVEL HETEROCYCLIC COMPOUNDS AND THEIR USE AS MEDICINES**

<p>(51) International classification: <b>C07D 407/12, 405/12</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 99/13858 2) 00/06535</p> <p>(32) Date : 1) 05/11/1999 2) 23/05/2000</p> <p>(33) Name of convention country : <b>FRANCE</b></p> <p>(66) Filed U/s. 5(2) : <b>YES</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.)</b></p> <p>Address of the Applicant:  <b>51/53 RUE DU DOCTEUR BLANCHE, F-75016 PAIRS, FRANCE</b></p> <p>72) Name of the Inventor:</p> <p><b>1) AUVIN SERGE 2) CHABRIER DE LASSAUNIERE, PIERRE-ETIENNE</b></p>
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(57) Abstract :



The invention concerns novel heterocyclic derivatives having a calpain inhibiting activity and/or an activity trapping reactive oxygen species, of formula (I) wherein A, X, Y, R<sup>1</sup>, R<sup>2</sup> and Het represent variable groups. The invention also concerns methods for preparing said compounds, pharmaceutical preparations containing them and their therapeutic use, in particular as calpain inhibitors and/or as trapping agents for reactive oxygen species, whether selectively or not.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00605/MUM A(22) Date of filing of 13/05/2002  
(PCT/EP00/11808) Application:

(54) Title of the invention: A PYRROLIDINEACETAMIDE DERIVATIVE ALONE OR IN COMBINATION FOR TREATMENT OF CNS DISORDERS

<p>(51) International classification: A61K 31/55</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 99124269.4 2) 99123803.1</p> <p>(32) Date : 1) 01/12/1999 2) 01/12/1999</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>UCB, S.A.</p> <p>Address of the Applicant: ALLEE DE LA RECHERCHE 60, B-1070 BRUSSELS, BELGIUM</p> <p>72) Name of the Inventor:</p> <p>1) LAMBERTY, YVES 2) MATAGNE, ALAIN 3) KLITGAARD, HENRIK 4) WAEGEMANS, TONY</p>

(57) Abstract : A use of (S)-(-)- $\alpha$ -ethyl-2-oxo-1-pyrrolidineacetamide for the manufacture of a medicament for treatment of particular diseases and new pharmaceutical compositions comprising (S)-(-)- $\alpha$ -ethyl-2-1-pyrrolidineacetamide.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00606/MUM A(22) Date of filing of 13/05/2002  
(PCT/EP00/11465) Application:

(54) Title of the invention: INITIATION METHOD OF A METHOD FOR PRODUCING  
2,2-BIS (4-HYDROXYPHENYL)PROPANE

(51) International classification: C07C 37/20	71) Name of the Applicant:
(30) Priority Data :	BAYER AKTIENGESELLSCHAFT
(31) Document No.: 199 57 602.5	
(32) Date : 30/11/1999	Address of the Applicant:
(33) Name of convention country : GERMANY	D-51368 LEVERKUSEN, GERMANY
(6) Filed U/s. 3(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	1) BODIGER, MICHAEL
(64) Filed on: N.A.	2) NEUMANN, RAINER
	3) HEYDENREICH, FRIEDER
	4) PREIN, MICHAEL
	5) FOFONKA, HANS-LUDWIG

(57) Abstract : The invention relates to the initiation of a method for producing bisphenols by reacting phenol with acetone in the presence of sulfonated cross-linked polystyrene resins. The invention is characterized in that: a) the initiation is carried out with an acetone concentration, which is reduced compared to the optimal continuous operation state, and with a phenol concentration, which is increased compared to the optimal continuous operation state, under a reduced throughput, and: b) under temperature control, the educt quantity and the acetone content of the reactor inflow are subsequently increased in stages or continuously until the continuous operation state is attained.

Figure : NIL.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00607/MUM A(22) Date of filing of 13/05/2002  
(PCT/ES00/00432) Application:

(54) Title of the invention: NOVEL THIAZOLIDINEDIONE DERIVATIVES AS  
ANTIDIABETIC AGENTS

(51) International classification: C07D 417/12	71) Name of the Applicant:
(30) Priority Data :	VITA-INVEST, S.A.
(31) Document No.: P 9902533	
(32) Date : 18/11/1999	Address of the Applicant:
(33) Name of convention country : SPAIN	C. FONTSANTA, 12-14, 08970 SANT JOAN DESPI, SPAIN
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) MOURELLE MANCINI, MARISABEL
(63) Divisional to Application No.: NIL	2) DEL CASTILLO NIETO, JUAN CARLOS
(64) Filed on: N.A.	3) DE RAMON AMAT, ELISABET

(57) Abstract : The invention relates to compounds of general formula (I), to their possible pharmaceutically acceptable salts and tautomeric forms. The invention also relates to a method for obtaining said compounds and to their utilization as antidiabetic and hypolipidemic agents, by themselves or combined with other antidiabetic agents such as sulfonylureas or biguanides, as well as to their utilization in the treatment of complications associated with insulin resistance such as hypertension, hyperuricemia or other cardiovascular, metabolic and endocrine disorders or other disorders associated with diabetes.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00608/MUM A(22) Date of filing of** **14/05/2002**  
(PCT/GB00/04304) **Application:**

(54) Title of the invention: **COSMETIC COMPOSITIONS CONTAINING CHICK PEA EXTRACT AND RETINOIDS**

<p>(51) International classification: A61K 7/48</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/165,830</p> <p>(32) Date : 16/11/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant: <b>HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RELCLAMATION, MUMBAI 400 020, INDIA</b></p> <p>72) Name of the Inventor:</p> <p><b>1) PILLAI SREEKUMAR 2) GRANGER STEWART PATON 3) POCALYKO DAVID JOSEPH 4) MAHAJAN MANISHA NARAYAN</b></p>

(57) Abstract : The present invention discloses cosmetics skin care compositions containing chick pea extract in combinations with retinoids. Methods of conditioning skin by the application of such compositions to the skin are also disclosed

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00609/MUM A(22) Date of filing of 14/05/2002  
(PCT/GB00/04528) Application:

(54) Title of the invention: PHARMACEUTICAL FORMULATIONS CONTAINING  
ZOLMITRIPTAN

(51) International classification: A61K 31/4045	71) Name of the Applicant:
(30) Priority Data :	ASTRAZENECA AB,
(31) Document No.: 9928578.5	
(32) Date : 03/12/1999	Address of the Applicant:
(33) Name of convention country : UNITED KINGDOM	S-151 85 SODERTALJE, SWEDEN
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) DEARN, ALAN, ROY
(63) Divisional to Application No.: NIL	2) WILLIAMSON, SARAH, LOUISE
(64) Filed on: N.A.	3) SUMMERS, SIMON, JOHN
	4) COOMBER, TREVOR, JOHN

(57) Abstract : A pharmaceutical formulation of the 5HT<sub>1</sub>-agonist, zolmitriptan, for use in intranasal administration. The formulation is useful in treating migraine and related disorders.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00610/MUM A(22) Date of filing of 14/05/2002**  
(PCT/AU00/01414) Application:

(54) Title of the invention: **COMPOSITIONS AND METHODS FOR TREATMENT OF ALLERGIC DISORDERS**

<p>(51) International classification: <b>A61K 39/07</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>PQ 4158</b></p> <p>(32) Date : <b>19/11/1999</b></p> <p>(33) Name of convention country : <b>AUSTRALIA</b></p> <p>(66) Filed U/s. 5(2) : <b>YES</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>PROBIALL PTY, LIMITED</b></p> <p>Address of the Applicant: <b>C/O CHARTERS PTY. LTD., 8<sup>TH</sup> FLOOR, 19 PIER STREET, PERTH, WESTERN AUSTRALIA 6000, AUSTRALIA</b></p> <p>72) Name of the Inventor:</p> <p><b>1) CLANCY, ROBERTY, LISWELLYN 2) PANG, GERALD</b></p>

(57) Abstract : The present invention relates to methods of lowering IgE levels and to methods of treating allergy, by administration of therapeutically effective amount of live probiotic bacteria, or a live probiotic bacteria-containing composition. The present invention also relates to methods for identifying useful probiotic bacteria and to composition containing probiotic bacteria.

Figure : **NIL.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00611/MUM A(22) Date of filing of 14/05/2002  
(PCT/US00/31555) Application:

(54) Title of the invention: POLYMORPHIC FORM OF ATORVASTATIN CALCIUM

(51) International classification: C07D 207/335	71) Name of the Applicant:
(30) Priority Data :	TEVA PHARAMCEUTICAL INDUSTRIES LTD.
(31) Document No.: 60/166,153	
(32) Date : 17/11/1999	Address of the Applicant:
(33) Name of convention country : USA	5 BASEL STREET, P. O. BOX 3190, PETAH TIQVA 49131, ISRAEL
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) AYALON, ARI
(63) Divisional to Application No.: NIL	2) LEVINGER, MICHAEL
(64) Filed on: N.A.	3) ROYTBAT, SOFIA
	4) NIDDAM, VALERIE
	5) LIFSHITZ, REVITAL

(57) Abstract : The present invention relates to atorvastatin calcium, useful agent for lowering serum cholesterol levels. New atorvastatin calcium Form V, processes for preparing the new form, and pharmaceutical compositions and dosage forms containing the new form are disclosed

Figure : NIL

**Publication After 18 months**

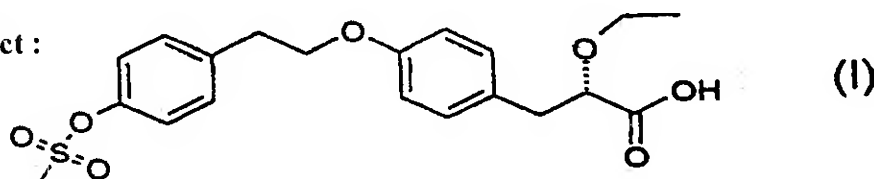
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00612/MUM A(22)** Date of filing of Application: **14/05/2002**  
(PCT/SE00/002384)

(54) Title of the invention: **CRYSTALLINE FORM OF (S)-2 ETHOXY-3-[4-(2-(4-METHANESULFONYLOXYPHENYL) ETHOXY) PHENYL] PROPANOIC ACID**

(51) International classification: <b>C07C 309/66</b>	71) Name of the Applicant:
(30) Priority Data :	<b>ASTRAZENECA AB</b>
(31) Document No.: 1) <b>9904416-6</b> 2) <b>0001187-4</b>	Address of the Applicant:
(32) Date : 1) <b>03/12/1999</b> 2) <b>03/04/2000</b>	<b>S-151 85 SODERTALJE, SWEDEN</b>
(33) Name of convention country : <b>SWEDEN</b>	
(66) Filed U/s. 5(2) : <b>NO</b>	
(61) Patent of addition to application No.: <b>NIL</b>	72) Name of the Inventor:
(62) Filed on : <b>N.A.</b>	1) <b>MARIA BOIJE</b>
(63) Divisional to Application No.: <b>NIL</b>	2) <b>KAROL HORVATH</b>
(64) Filed on: <b>N.A.</b>	3) <b>TORD INGHARDT</b>

(57) Abstract :



The present invention relates to a novel crystalline form of the compound (S)-2-ethoxy-3-[4-(2-{4-methanesulfonyloxyphenyl} ethoxy) phenyl] propanoic acid, shown by formula (I), or a pharmaceutically-acceptable salt thereof, and solvates thereof. The invention also concerns methods of treating one or more metabolic disease conditions, particularly those associated with Insulin Resistance Syndrome, and the use of a crystalline form of the compound, or a pharmaceutically-acceptable salt thereof, or a solvate thereof, in the manufacture of medicament for use in one or more of said conditions. The invention further concerns pharmaceutical compositions containing a crystalline form of the compound, or pharmaceutically-acceptable salt thereof, or a solvate thereof, as active ingredient, as well as processes for the manufacture of a crystalline form of the compound, or a pharmaceutically-acceptable salt thereof, or a solvate thereof.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00613/MUM A(22) Date of filing of Application: 14/05/2002  
(PCT/SE00/02381)

(54) Title of the invention: COMMINUTED FORM OF (S)-2-ETHOXY-3-[4-(2-{4-METHANESULFONYLOXYPHENYL} ETHOXY) PHENYL] PROPANOIC ACID

(51) International classification: C07C 309/66

(30) Priority Data :

(31) Document No.: 9904413-3

(32) Date : 03/12/1999

(33) Name of convention country : SWEDEN

(66) Filed U/s. 5(2) : NO

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

71) Name of the Applicant:

ASTRAZENECA AB

Address of the Applicant:

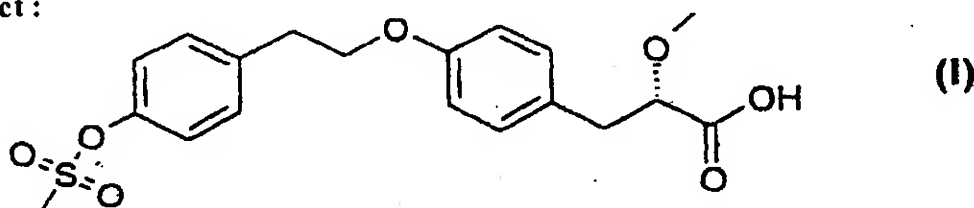
S-151 85 SODERTALJE, SWEDEN

72) Name of the Inventor:

1) AGNETA HALLGREN

2) KRISTINA ROOS

(57) Abstract :



The present invention relates to a reduced particle size form of the compound (S)-2-ethoxy-3-[4-(2-{4-methanesulfonyloxyphenyl} ethoxy) phenyl] propanoic acid, as shown in formula (I), or a pharmaceutically acceptable salt thereof or a solvate of either thereof. The invention also concerns methods of treating one or more conditions associated with Insulin Resistance Syndrome using the reduced particle size form of the compound, or a pharmaceutically acceptable salt thereof in the manufacture of a medicament for use in one or more of said conditions. The invention further concerns pharmaceutical compositions containing the reduced particle size form of the compound, or a pharmaceutically acceptable salt thereof, or a solvate thereof, as an active ingredient, as well as processes for the manufacture of the reduced particle size form of the compound, or a pharmaceutically acceptable salt thereof.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: **IN/PCT/2002/00614MUM A** (22) Date of filing of Application: **14/05/2002**  
(PCT/EP00/11942)
- (54) Title of the invention: **METHOD FOR PRODUCING EPINASTINE HYDROCHLORIDE IN THE HIGH-MELTING CYRSTAL MODIFICATION**

<p>(51) International classification: <b>C07D 487/04</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>199 58 460.5</b></p> <p>(32) Date : <b>03/12/1999</b></p> <p>(33) Name of convention country : <b>GERMANY</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>BOEHRINGR INGELHEIM PHARMA KG.</b></p> <p>Address of the Applicant: <b>BINGER STRASSE 173, D-55216 INGELHEIM AM RHEIN, GERMANY</b></p> <p>72) Name of the Inventor:</p> <p><b>1) ROLF DACH</b></p>

(57) Abstract : The invention relates to a method for producing epinastine hydrochloride in the high-melting crystal modification.

Figure: **NIL**



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00615/MUM A(22) Date of filing of Application: 14/05/2002  
(PCT/EP00/11468)

(54) Title of the invention: STRAND EVAPORATOR

<p>(51) International classification: B01D 19/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 199 57 458.8</p> <p>(32) Date : 29/11/1999</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY</p> <p>72) Name of the Inventor:</p> <p>1) THOMAS ELSNER</p> <p>2) JURGEN HEUSER</p> <p>3) CHRISTIAN KORDS</p> <p>4) KLEMENS KOHLGRUBER</p>

(57) Abstract : The invention relates to a strand evaporator comprising a degassing vessel (6), a product entry (11), a product distributor (17), a product discharge (13), and a vapor discharge (12). The invention is characterized in that the product distributor (17) is configured as a manifold distributor that is provided with at least one distributing pipe (1) and with a multitude of parallel arranged nozzle pipes (2), which have a multitude of opening (15) in the pipe wall. The invention is also characterized in that the nozzle tubes (2) are preferably arranged one above the other in a number of planes and such that they are laterally offset.

Figure : 6.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00616/MUM A(22) Date of filing of Application: 14/05/2002  
(PCT/KR00/01369)
- (54) Title of the invention: A METHOD FOR PREPARING LYSOPHSPHATIDYLETHANOLAMIN

(51) International classification: C12P 13/00	71) Name of the Applicant:
(30) Priority Data :	DOOSAN CORPORATION
(31) Document No.: 1999/53780	
(32) Date : 30/11/1999	Address of the Applicant:
(33) Name of convention country : KOREA	13, MOONRAE-DONG 6-KA, YOUNGDEUNGPOKU SEOUL 150- 096, REPUBLIC OF KOREA
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) GUK HOON CHUNG
(63) Divisional to Application No.: NIL	2) YOUNG LAE YANG
(64) Filed on: N.A.	

(57) **Abstract** : Disclosed herein is a method for purifying the lysophosphatidylethanolamine with high purity by treating the phospholipid mixture with enzymes, followed by solvent fractionation without the column purification. The method of the present invention comprises hydrolyzing phospholipid mixture containing 10-99 weight % of phosphatidylethanolamine with phospholipase A2 to produce lysophospholipid; and treating the lysophospholipid with the solvent mixture comprising water and one or more organic solvents selected from the group consisting of flow alcohol, hydrocarbon and alkylester to eliminate impurities except lysophosphatidylethanolamine.

**Figure** : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00617/MUM A (22) Date of filing of 15/05/2002  
(PCT/GB00/04316) Application:

(54) Title of the invention: COSMETIC COMPOSITIONS CONTAINING ANISE EXTRACT  
AND RETINOIDS

(51) International classification: A61K 7/48	71) Name of the Applicant:
(30) Priority Data :	1) HINDUSTAN LEVER LIMITED
(31) Document No.: 60/165,831	
(32) Date : 16/11/1999	Address of the Applicant:
(33) Name of convention country : USA	1) HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA 400020 INDIA
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) POCALYKO DAVID JOSEPH
(63) Divisional to Application No.: NIL	2) PILLAI, SKREEKUMAR
(64) Filed on: N.A.	3) MAHAJAN MANISHA NARAYAN
	4) GRANGER STEWART, PATON

(57) Abstract : The present invention discloses cosmetic skin care compositions containing anise seed extract in combination with retinoids. Methods of conditioning the skin by the application of such compositions to the skin are also disclosed.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00618/MUM A(21)** Date of filing of Application: **15/05/2002**  
(PCT/SE00/02418)

(54) Title of the invention: **ADAMANTANE DERIVATIVES**

(51) International classification: <b>C07C 235/46</b>	71) Name of the Applicant:  <b>ASTRAZENECA AB</b>
(30) Priority Data :	
(31) Document No.: <b>9904505-6</b>	
(32) Date : <b>09/12/1999</b>	Address of the Applicant: <b>S- 151 85 SQDERTALJE, SWEDEN</b>
(33) Name of convention country : <b>SWEDEN</b>	
(66) Filed U/s. 5(2) : <b>YES</b>	
(61) Patent of addition to application No.: <b>NIL</b>	72) Name of the Inventor:
(62) Filed on : <b>N.A.</b>	
(63) Divisional to Application No.: <b>NIL</b>	<b>1) LILIAN ALCARAZ</b>
(64) Filed on: <b>N.A.</b>	<b>2) MARK FURBER</b>
	<b>3) TIMOTHY LUKER</b>
	<b>4) MICHAEL MORTIMORE</b>
	<b>5) PHILIP THORNE</b>

(57) Abstract : The invention provides adamantane derivatives of formula (I), a process for their preparation, pharmaceutically compositions containing them, a process for preparing the pharmaceutical compositions, and their use in therapy.

Figure : **NIL.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00619/MUM A (22) Date of filing of Application: 15/05/2002  
(PCT/EP00/11531)

(54) Title of the invention: ELECTROCHEMICAL CELL FOR ELECTROLYSERS WITH SINGLE-ELEMENT TECHNOLOGY

<p>(51) International classification: C25B 9/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 199 59 079.6</p> <p>(32) Date : 01/12/1999</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant: D-51368, LEVERKUSEN, GERMANY</p> <p>72) Name of the Inventor:</p> <p>1) FRITZ GESTERMANN</p>

(57) Abstract : The invention relates to an electrochemical cell for membrane electrolysis procedures for electrolyzers with standalone element technology. Said cell consists of at least two half-shells (8, 10), which surround an anolyte chamber (16) and a cathode chamber (22) between which a membrane (5) is situated, and an anode (6), which is situated in the anolyte chamber (16). The cathode chamber (22) is provided with an oxygen consuming cathode (4) with several superposed pressure-compensated gas pockets (15), a catholyte gap (14) and optionally, a back chamber (19). Electroconductive support elements (7) in the anolyte chamber (16) and support elements (3, 2, 1) in the cathode chamber (22) are provided in identical positions opposite each other.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00620/MUM A** (22) Date of filing of **15/05/2002**  
(PCT/SE00/02274) Application:

(54) Title of the invention: **A TRANSFER SWITCH**

<p>(51) International classification: <b>H01H 9/54</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>9904165-9</b></p> <p>(32) Date . <b>18/11/1999</b></p> <p>(33) Name of convention country : <b>SWEDEN</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>ABB TECHNOLOGY AG.</b></p> <p>Address of the Applicant: <b>AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND</b></p> <p>72) Name of the Inventor:</p> <p><b>1) LARS JONSSON 2) PER LARSSON 3) FALAH AL-HOSINI 4) MAGNUS BACKMAN 5) LARS LILIESTRAND 6) HARRY FRANK</b></p>

(57) Abstract : In a transfer switch for alternating current two electric switching devices of hybrid type are adapted to establish and break, respectively, a current path between a load and an alternating current supply each for transferring the supply of the load with electric power from one alternating current supply (5) to the other (6). The switching devices have components (15-18) blocking in at least one direction for establishing a temporary current path there through when breaking the current path through the switching devices and enabling an arc-free completion of the breaking. A control unit (20) is adapted to control a movable part (4) to carry out one single mechanical movement for opening one of the switching devices and closing the other for changing the alternating current supply to the load.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00621/MUM A(22) (PCT/US00/41284)	Date of filing of Application: 15/05/2002
(54) Title of the invention: BIPOLAR SEPARATOR PLATE WITH IMPROVED WET SEALS	
(51) International classification: H01M 8/02 (30) Priority Data : (31) Document No.: 09/451,132 (32) Date : 30/11/1999 (33) Name of convention country : USA (66) Filed U/s. 5(2) : NO (61) Patent of addition to application No.: NIL (62) Filed on : N.A. (63) Divisional to Application No.: NIL (64) Filed on: N.A.	71) Name of the Applicant: FUELCELL ENERGY, INC.  Address of the Applicant: 3 GREAT PASTURE ROAD, DANBURY, CONNECTICUT 06813, U.S.A.  72) Name of the Inventor:  1) JIAN LI 2) CHAO-YI YUH 3) THOMAS LUCAS 4) MICHAEL PRIMERANO

(57) **Abstract :** A bipolar separator is (1) formed from a plate member (2) and first (3), second (4), third (5) and fourth (6) pocket members formed separately from the plate member. The plate member is fabricated from a stainless steel material and each of the pocket members is fabricated from a stainless steel with an aluminum coating. Welds (8, 9, 11, 12) including aluminum affix the pocket members to the plate member.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11 A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00622/MUM A(22) Date of filing of Application: 15/05/2002  
(PCT/US00/42359)

(54) Title of the invention: RADAR DISPERSION FABRICS

<p>(51) International classification: D04B</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/449,955</p> <p>(32) Date : 29/11/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>MILLIKEN &amp; COMPANY</p> <p>Address of the Applicant:</p> <p>920, MILLIKEN ROAD, SPARTANBURG, SC 29303, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) WERNER RHODE 2) HAY F. SPARKS, JR</p>

(57) Abstract : A three-bar polyester tricot warp knit fabric for use in a radar dispersion fabric having patterns stitches on the three bars as indicated: Bar I 2-3/4-3/1-0/3-4/2-3/5-4/2-3/5-6/8-9/6-5/3-2/5-4 Bar II 7-6/4-3/1-0/3-4/7-6/4-5/7-6/5-6/8-9/6-5/7-6/4-5 Bar III 4-5/6-7/8-9/7-6/5-4/4-5/5-4/3-2/1-0/2-3/4-5/5-4

Figure : 1.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00623/MUM A(22) Date of filing of 15/05/2002  
(PCT/US00/41463) Application:

(54) Title of the invention: HIGH-EFFICIENCY FUEL CELL SYSTEM

<p>(51) International classification: H01M 8/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/453,185</p> <p>(32) Date : 02/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>FUELCELL ENERGY, INC.</p> <p>Address of the Applicant: 3 GREAT PASTURE ROAD, DANBURY, CONNECTICUT 06811, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) HOSSEIN GHEZEL-AYAGH 2) ANTHONY JOHN LEO 3) ROBERT A. SANDERSON</p>

(57) Abstract : A hybrid fuel cell system in which a fuel cell (2) and a heat engine (3) are employed. Waste heat from the fuel cell is used to fire the heat engine cycle and the system is configured such that a high temperature fuel cell and conventional heat exchange equipment can be used in the system. Additionally, the configuration allows independent operation of the fuel cell (2) and the heat engine (3).

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00624/MUM A(22) Date of filing of 15/05/2002  
(PCT/EP99/09162) Application:

(54) Title of the invention: ALUMINIUM PRODUCT WITH EXCELLENT BRAZING CHARACTERISTICS

<p>(51) International classification: B23K 35/36</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>NORSK HYDRO ASA</p> <p>Address of the Applicant: BYGDOY ALLE 2, N-0240, OSLO, NORWAY</p> <p>72) Name of the Inventor:</p> <p>1) ED MORLEY 2) JAMES STEVEN TAYLOR</p>

(57) Abstract : An aluminium product having excellent brazing characteristics having at least one flat surface coated with a brazing flux composition comprising brazing flux and a synthetic resin based, as its main constituent, on methacrylate homopolymer or a methacrylate copolymer, wherein the brazing flux is a reactive flux and in that the coating of brazing flux composition is free from metal and/or silicon particles.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00625/MUM A(22) Date of filing of 16/05/2002  
(PCT/JP01/08861) Application:

(54) Title of the invention: DATA COMMUNICATION SYSTEM AND METHOD,  
COMPUTER PROGRAM, AND RECORDING MEDIUM

(51) International classification: G06T 1/26	71) Name of the Applicant:
(30) Priority Data :	SONY COMPUTER ENTERTAINMENT, INC
(31) Document No.: 1) 2000-309788 2) 2001-306961	
(32) Date : 1) 10/10/2000 2) 02/10/2001	Address of the Applicant: 1-1, AKASAKA 7-CHOME, MINATO- KU TOKYO 107-0052, JAPAN
(33) Name of convention country : JAPAN	
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	1) HITOSHI EBIHARA
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A data communication technique is provided which realize an efficient combination of a plurality of information processing apparatuses (GSM) when performing a higher lever processing by use of GSMs. There are included four GSMs (1), a slave MG (merger) (3) for merging the data outputted from the GSMs (1), and a main MG (200) for merging the data outputted from four slave MGs (3). The data of unit data length outputted from the GSMs (1) are stored in parallel in a register. The data stored in the register are serially read out by unit data length to form a serial data. When a modified data exists in the serial data, an auxiliary data for identifying the modified data is added to a predetermined position of the serial data. Thereafter, the serial data is outputted to the main MG (200). As to the data to be outputted from a main SYNC (300) to the GSMs (1), parallel data are copied and propagated to all the GSMs (1) during the same time period.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00626/MUM A(22) Date of filing of Application: 16/05/2002  
(PCT/SE00/02275)

(54) Title of the invention: AN ELECTRIC SWITCHING DEVICE

<p>(51) International classification: H01H 9/54</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904164-2</p> <p>(32) Date : 18/11/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>ABB TECHNOLOGY AG</p> <p>Address of the Applicant: AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND</p> <p>72) Name of the Inventor:</p> <p>1) LARS JONSSON 2) PER LARSSON 3) FALAH AL-HOSINI 4) MAGNUS BACKMAN</p>

(57) Abstract : An electric switching device for alternating current comprises two contact members and a component (21, 22) having ability to block current in at least one direction and conduct current in at least one direction therethrough. It also comprises a unit (14) adapted to control the first contact member to open for transferring the current to the component when this is in or going into conducting state and then the second contact member to open when the component is in a state of blocking current therethrough for breaking the current through the switching device. It also comprises a movable part (4) and a unit (14) adapted to control this part to carry out one single mechanical movement for opening or closing the two contact members.

Figure : 4.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00627/MUM A(22) Date of filing of Application: 16/05/2002  
(PCT/SE00/02273)

(54) Title of the invention: AN ELECTRIC SWITCHING DEVICE

<p>(51) International classification: H01H 9/54</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904166-7</p> <p>(32) Date : 18/11/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>ABB TECHNOLOGY AG.</p> <p>Address of the Applicant:</p> <p>AFFOLTERNSTRASSE 44, CH-8050 ZURICH, SWITZERLAND</p> <p>72) Name of the Inventor:</p> <p>1) FALAH AL-HOSINI 2) JAN SMEDE 3) JAN-ANDERS NYGREN NOLEMO 4) MAGNUS BACKMAN 5) PHILIP KJAER 6) LENNART BALGARD 7) PER LARSSON 8) OVE ALBERTSSON 9) LARS JONSSON 10) JAN JOHANSSON</p>

(57) Abstract : An electrical switching a device for alternating current comprises two branches (2,3) connected in parallel in a current path ant having each at least two contact members (4, 7) connected in series. A semiconductor device (8) is adapted to interconnect the midpoints between the two contact members of each branch. When opening the current path a first contact member (5) of one, first branch located before said midpoint as seen in the current direction existing is controlled to open and a second contact member (6) of the second branch located after the midpoint as seen in the current direction is controlled to open for transferring the current to a temporary current path through the semiconductor device. The current path through the switching device is then broken when the semiconductor device is in a blocking state by opening a contact member (4, 7) of the switching arranged in the temporary current path.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00628/MUM A(22)** Date of filing of **16/05/2002**  
(PCT/US00/31825) Application:

(54) Title of the invention: **FUEL CELL AND POWER CHIP TECHNOLOGY**

<p>(51) International classification: <b>H01M 8/00</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>09/449,377</b></p> <p>(32) Date : <b>24/11/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>(71) Name of the Applicant:</p> <p><b>INTEGRATED FUEL CELL TECHNOLOGIES, INC.</b></p> <p>Address of the Applicant: <b>19 CROSBY DRIVE, BEDFORD, MASSACHUSETTS 01730, U.S.A.</b></p> <p>(72) Name of the Inventor:</p> <p><b>1) STEPHEN A. MARSH</b></p>

(57) Abstract : A fuel cell is disclosed which is formed on a semiconductor wafer by forming a channel on the wafer and forming a proton exchange membrane PEM barrier in the etched channel. The barrier divides the channel into two. A hydrogen fuel is admitted into one of the divided channels and an oxidant into the other. The hydrogen reacts with a catalyst formed on an anode electrode at the hydrogen side of the channel to release hydrogen ions (protons), which are absorbed into the PEM. The protons migrate through the PEM and recombine with return hydrogen electrons on a cathode electrode on the oxygen side of the PEM and the oxygen to form water.

Figure - 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00629/MUM A(22) Date of filing of 16/05/2002  
(PCT/JP01/08862) Application:

(54) Title of the invention: DATA PROCESSING SYSTEM AND METHOD,  
COMPUTER PROGRAM, AND RECORDING MEDIUM

<p>(51) International classification: G06T 1/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 2000-309787 2) 2001-306962</p> <p>(32) Date : 1) 10/10/2000 2) 02/10/2001</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>SONY COMPUTER ENTERTAINMENT INC.</p> <p>Address of the Applicant: 1-1, AKASAKA 7-CHOME, MINATO- KU, TOKYO 107-0052, JAPAN</p> <p>Name of the Inventor:</p> <p>72)</p> <p>1) HITOSHI EBIHARA 2) YUICHI NAKAMURA</p>

(57) **Abstract** : A technique for realizing cooperation between processing units. Data outputted from processing units (GSM) (1) is integrated by sub-mergers (sub-MGs) (3). The output data of the sub-MGs (3) is integrated by a main MG (200) and displayed on a display (DP). Each GSM (1) carries out a drawing processing assigned to it when it receives a drawing permission signal (DrawNext) and outputs a drawing end signal (DrawDone) after the drawing. The GSM to send the drawing permission signal (DrawNext) and the GSM to receive the drawing end signal (DrawDone) are determined for each application. A main SYNC (300), on receiving a processing request, sends a drawing permission signal (DrawNext) to the relevant GSM (!) in the order prescribed for the application, receives the drawing end signal (DrawDone) from the relevant GSM (1), and displays the results of these processings on a display

**Figure : 1.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: **IN/PCT/2002/00630/MUM A** (22) Date of filing of Application: **16/05/2002**  
**(PCT/JP01/08762)**
- (54) Title of the invention: **IMAGE PORECESSOR, IMAGE PROCESSING METHOD, RECORDING MEDIUM, COMPUTER PROGRAM AND SEMICONDUCTOR DEVICE**

<p>(51) International classification: <b>G06T 7/20</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) <b>2000-307574</b> 2) <b>2001-295098</b></p> <p>(32) Date : 1) <b>06/10/2000</b> 2) <b>26/09/2001</b></p> <p>(33) Name of convention country : <b>JAPAN</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>SONY COMPUTER ENTERTAINMENT INC</b></p> <p>Address of the Applicant:  <b>1-1, AKASAKA 7-CHOME,  MINATO-KU, TOKYO 107-0052,  JAPAN</b></p> <p>72) Name of the Inventor:</p> <p><b>1) AKIO OHBA</b></p>

(57) Abstract : An image processing apparatus for using an image shot by an imaging device as an input interface for inputting a command, comprising image capturing means for capturing a mirror face moving image including a moving target, image creating means for creating an object image representing a predetermined object according to the movement of the target included in the mirror face moving image, and control means for combining the object image with the mirror face moving image and displaying a synthesized image on a predetermined display.

Figure : 1.



**Publication After 18 months**

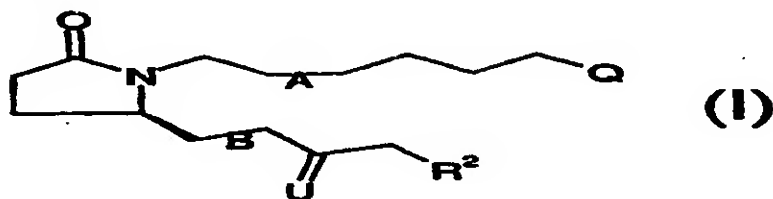
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00631/MUM A (22) Date of filing of Application: 16/05/2002  
(PCT/IB00/01711)

(54) Title of the invention: EP4 RECEPTOR SELECTIVE AGONISTS IN THE TREATMENT OF OSTEOPOROSIS

<p>(51) International classification: C07D 207/26</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/171,353</p> <p>(32) Date : 22/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>PFIZER PRODUCTS INC.</p> <p>Address of the Applicant: EASTERN POINT ROAD, GROTON, CONNECTICUT 06340, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) KIMBERLY O'KEEFE CAMERON 2) HUAZHU KE, 3) BRUCE ALLEN LEFKER 4) DAVID DUANE THOMPSON</p>
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(57) Abstract :



This invention is directed to methods of treating conditions which present with low bone mass, particularly osteoporosis, frailty, an osteoporotic fracture, a bone defect, childhood idiopathic bone loss, alveolar bone loss, mandibular bone loss, bone fracture, osteotomy, bone loss associated with periodontitis, or prosthetic ingrowth comprising administering prostaglandin agonists which are EP4 receptor selective prostaglandin agonists. This invention is especially directed to those methods wherein the EP4 receptor selective agonist is a compound of Formula (I) wherein the variables are as defined in the specification.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00632/MUM A(22) Date of filing of 17/05/2002  
(PCT/US00/29905) Application:

(54) Title of the invention: METHODS FOR STABILIZING AND CONTROLLING APOMIXIS

(51) International classification: A01H 1/00	71) Name of the Applicant:
(30) Priority Data :	UTAH STATE UNIVERSITY
(31) Document No.: 60/162,626	
(32) Date : 29/10/1999	Address of the Applicant:
(33) Name of convention country : USA	SUITE 120, 1770 NORTH RESEARCH PARK WAY, NORTH LOGAN, UT 84341, U.S.A.
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	1) CARMAN JOHN G.
(64) Filed on: N.A.	

(57) **Abstract :** The present invention relates to the induction, stabilization, and control of apomixis (asexual seed formation) in angiosperms for the purpose of producing, improving, and economically using superior-yielding agamic crops (crops possessing a capacity for both sexual and apomictic seed production). "Stabilizing" apomixis refers to processes that either convert a facultative apomict to obligate apomixis or confer mechanisms to a facultative apomict that prevent, during facultative sexual seed formation, the recombination of genes that cause apomixis such that progeny produced sexually from said facultative apomict inherit the allelic combinations required for apomixis. More specifically the present invention relates to (i) the production of two or more sets of genetically divergent sexual lines, either inbred or outcrossed, which set of parental lines remain homozygous for genes that cause apomixis when hybrids are produced by crossing a member of one of such sets of lines with a member of another set, (ii) the hybridization of sexual inbred or outcrossed parental lines to produce apomicts, (iii) the stabilization of such apomicts through cytogenetic or molecular modifications, (iv) the improvement of apomicts by breeding or genetically engineering parental lines or apomicts, (v) the modification of facultative apomicts to abort female meiosis resulting in obligate apomixis except when a recombinant DNA that aborts meiosis is inhibited, and (vi) the modification of facultative apomicts to remain facultative except during inducible expression of a recombinant DNA that causes obligate apomixis by aborting meiosis. The various facets of this biological operating system may be selectively combined for the efficient production, improvement, and use of agamic crops.

**Figure :** NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00633/MUM A(22) Date of filing of Application: 17/05/2002  
(PCT/US00/31301)

(54) Title of the invention: SEAT BELT RETRACTOR

<p>(51) International classification: B60R 22/34</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0001909.1</p> <p>(32) Date : 27/01/2000</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>BREED AUTOMOTIVE TECHNOLOGY, INC.</b></p> <p>Address of the Applicant: <b>P. O. BOX 33050, LAKE LAND, FLORIDA 33807-3050, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) JOHN BELL 2) GRAHAM JACK 3) HOWARD FOSTER 4) MATTHEW BARBER 5) BRIAN JACK</b></p>

(57) Abstract : A seat belt retractor has a rotatable spool (2) mounted in a frame (1), a primary locking mechanism (6) for arresting rotation of the spool and a load absorbing mechanism (7) arranged to come into effect at a predetermined load for absorbing a portion of the spool locking load. The load absorbing mechanism may be a section of an inwardly facing peripheral edge of the frame having a serrated or roughened texture (7) which is positioned and adapted so that above a predetermined load it co-operates with a smooth surfaced spool bearing face to absorb some of the load. Spool rotation is prevented to engagement of the primary locking mechanism and the load on the primary locking mechanism rises causing the frame sidewalls (3) to deform and the serrated or roughened section is pushed against the spool bearing face.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00634/MUM A(22) Date of filing of 17/05/2002**  
(PCT/US00/30925) **Application:**

(54) Title of the invention: **AUTOMATED TRANSACTION MACHINE PRINTER**

<p>(51) International classification: <b>G06F 17/60</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>60/168,330</b></p> <p>(32) Date : <b>01/12/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>DIEBOLD INCORPORATED</b></p> <p>Address of the Applicant:</p> <p><b>5995 MAYFAIR ROAD, NORTH CANTON, OH 44720, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) KIM R LEWIS</b> <b>2) JEFFREY A. HILL</b> <b>3) RICHARD C. LUTE, JR</b></p>

(57) Abstract : An automated transaction machine (10) includes a thermal printing apparatus for printing account statements for a user. A paper drive (36) moves a paper web (44) from a paper roll (42) through a printer (40). After indicia printed on the paper, the paper is cut by a cutter (37) into sheets and delivered to a user by a presenter drive (30). After paper cutting, the paper is moved a short distance in a direction opposed to the direction that the paper normally moves during printing. A paper control device (49) operates to maintain a relatively constant resistance force to movement of the web in the printing direction after the paper has been retracted. The paper control device limits application of resistance forces to below a threshold as well as sudden fluctuation of resistance forces on the paper web which may otherwise cause the paper to slip relative to the drive and cause distortion of printed indicia or damage to the web.

Figure : 3.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.:** IN/PCT/2002/00635/MUM A(22) **Date of filing of** 17/05/2002  
(PCT/US00/32121) **Application:**

(54) **Title of the invention:** A METHOD OF AMENDING DATABASE CONTENTS

(51) <b>International classification:</b> G06F 17/30	71) <b>Name of the Applicant:</b>
(30) <b>Priority Data :</b>	<b>COMPUTER ASSOCIATES THINK, INC.</b>
(31) <b>Document No.:</b> PQ 4285	
(32) <b>Date :</b> 26/11/1999	<b>Address of the Applicant:</b>
(33) <b>Name of convention country :</b> AUSTRALIA	<b>ONE COMPUTER ASSOCIATS PLAZA, ISLANDIA, NY 11749, U.S.A.</b>
(66) <b>Filed U/s. 5(2) :</b> NO	
(61) <b>Patent of addition to application No.:</b> NIL	72) <b>Name of the Inventor:</b>
(62) <b>Filed on :</b> N.A.	
(63) <b>Divisional to Application No.:</b> NIL	<b>1) RICHARD H. HANS</b>
(64) <b>Filed on:</b> N.A.	

(57) **Abstract :** A method and database system for improving the operational performance of a database. The method includes determining whether an instruction or operation (22) adds information to or removes information from the database. For an add operation, information is first added to an 'out' table (23) used to retrieve objects or entries before the database is actually updated. For a removed operation, information is first removed from an 'in' table (25) used to find objects in the database. Preferably, for an add operation, the information is added to the 'in' table (24) after the 'out' table, and for a remove operation, information is preferably removed from the 'out' table (26) after the 'in' table.

**Figure : 2.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00636/MUM A(22) Date of filing of 17/05/2002  
(PCT/US00/32123) Application:

(54) Title of the invention: METHOD AND APPARATUS FOR OPERATING A  
DATABASE

<p>(51) International classification: G06F 17/30</p> <p>(30) Priority Data :</p> <p>(31) Document No.: PQ 4284</p> <p>(32) Date : 26/11/1999</p> <p>(33) Name of convention country : AUSTRALIA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>COMPUTER ASSOCIATES THINK, INC.</p> <p>Address of the Applicant: ONE COMPUTER ASSOCIATES PLAZA, ISLANDIA, NY 11749, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) RICHARD H. HARVEY</p>

(57) Abstract : A method of processing a database service query is provided. In one embodiment, the method includes receiving a service query (104), applying principles of logic to the service query to obtain a sum of terms (105, 106), evaluating each term as one or more separate SQL instructions (107), and executing each separate SQL instruction. Preferably, the sum of terms is additionally expanded to remove NOT operators, using for example Boolean logic.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00637/MUM A(22) Date of filing of Application: 17/05/2002  
(PCT/JP00/08675)

(54) Title of the invention: PROCESS FOR PRODUCING METHYLCOBALAMIN

<p>(51) International classification: C07H 23/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 11/350683 2) 2000-188619</p> <p>(32) Date : 1) 09/12/1999 2) 23/06/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>EISAI CO., LTD.</p> <p>Address of the Applicant: 6-10, KOISHIKAWA 4-CHOME, BUNKYO-KU, TOKYO 112-8088, JAPAN</p> <p>72) Name of the Inventor:</p> <p>1) YOSHIHIKO HISATAKE 2) HIROSHI KURODA</p>

(57) Abstract : A novel industrially excellent process for the production of methylcobalamin useful as drug or the like, characterized by methylating cyanocobalamin or hydroxocobalamin in the presence of a reducing agent and a water-soluble methylating agent.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00638/MUM A(22) Date of filing of 17/05/2002  
(PCT/US00/33418) Application:

(54) Title of the invention: PROCESS FOR SOLVENT EXTRACTION OF HYDROCARBONS PROVIDING AN INCREASED YIELD OF RAFFINATE

<p>(51) International classification: C10G 17/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/459,029</p> <p>(32) Date : 10/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>EXXONMOBIL RESEARCH AND ENGINEERING COMPANY</p> <p>Address of the Applicant: P O BOX 900, 1545 ROUTE 22 EAST, ANNANDALE, NEW JERSEY 08801-0900, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) KEITH K. ALDOUS 2) JOSEPH PHILIP BOYLE 3) MICHAEL B. DAVIS</p>

(57) Abstract : An extraction zone (10) is shown having a feed inlet (14) for introducing a lube oil feedstock such as a distillate feed, an aromatic extraction solvent inlet (16), an extract outlet (18) and a raffinate outlet (20).

Figure : 1.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00639/MUM A(22) Date of filing of 17/05/2002  
(PCT/AU00/01358) Application:

(54) Title of the invention: CONTINUOUS HAULAGE SYSTEM

<p>(51) International classification: B65G 15/40</p> <p>(30) Priority Data :</p> <p>(31) Document No.: PQ 4012</p> <p>(32) Date : 12/11/1999</p> <p>(33) Name of convention country : AUSTRALIA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>MICHAEL PIETSCH</p> <p>Address of the Applicant:</p> <p>27 STILES AVENUE BURSWOOD WA 6100, AUSTRALIA</p> <p>72) Name of the Inventor:</p> <p>1) MICHAEL PIETSCH</p>

(57) Abstract : A continuous haulage system, including a belt (1) adapted to convey material, said belt (1) being suspended from supporting means (3a, 3b) by hanging members (4a, 4b) located along each opposing longitudinal edge of said belt, wherein the hanging member (4a, 4b) has a hook-shaped cross-section.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00640/MUM A** (22) Date of filing of Application: **20/05/2002**  
(PCT/GB00/04509)

(54) Title of the invention: **OIL PRODUCTION ADDITIVE FORMULATIONS**

<p>(51) International classification: <b>C10G 75/02</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 9928127.1 2) 0007831.0 3) 60/169,630 4) 60/205,033</p> <p>(32) Date : 1) 30/11/1999 2) 31/03/2000 3) 08/12/1999 4) 18/05/2000</p> <p>(33) Name of convention country : <b>UNITED KINGDOM &amp; USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>(71) Name of the Applicant:</p> <p><b>IMPERIAL CHEMICAL INDUSTRIES PLC</b></p> <p>Address of the Applicant: <b>20 MANCHESTER SQUARE LONDON W1U 3AN, UNITED KINGDOM</b></p> <p>(72) Name of the Inventor:</p> <p><b>1) TERENCE COX 2) NEIL GRAINGER 3) EDWARD GEORGE SCOVELL</b></p>
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(57) Abstract : Petroleum additive formulation includes a petroleum additive dissolved in a carrier fluid including at least one compound of the formula (I):  $(R^2)_p\text{-Ph-(CH}_2\text{)}_m\text{-COO-(AO)}_n\text{-R}^1$  where;  $R^1$  is  $C_1$  to  $C_{10}$  alkyl; AO is alkyleneoxy;  $n$  is 0 or from 1 to 100;  $m$  is 0, 1 or 2; and Ph is phenyl group, which may be substituted with groups  $(R^2)_p$ ; where each  $R^2$  is independently  $C_1$  to  $C_4$  alkyl or alkoxy; and  $p$  is 0, 1 or 2. Further, crude petroleum or petroleum refinery streams can be treated by adding a petroleum additive dissolved in a carrier fluid of the formula (I) to the product stream. Desirably the carrier fluid is or includes *iso*-propyl benzoate and/or 2-ethyl hexyl benzoate

Figure : **NIL.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00641/MUM A(22) Date of filing of Application: 20/05/2002  
(PCT/GB00/04527)

(54) Title of the invention: **CHEMICAL PROCESSES AND INTERMEDIATES**

(51) International classification: C07F 9/09  
(30) Priority Data :  
(31) Document No.: 9928499.4  
(32) Date : 03/12/1999  
(33) Name of convention country : UNITED KINGDOM  
(66) Filed U/s. 5(2) : NO  
(61) Patent of addition to application No.: NIL  
(62) Filed on : N.A.  
(63) Divisional to Application No.: NIL  
(64) Filed on: N.A.

71) Name of the Applicant:

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72) Name of the Inventor:

- 1) **MICHAEL BARRY GRAVESTOCK**
- 2) **KENNETH EDWIN HERBERT WARREN**
- 3) **DAVID SIMON ENNIS**
- 4) **ANGELA CHARLOTTE CURRIE**
- 5) **DEBRA AINGE**

(57) Abstract : The invention relates to chemical processes and chemical intermediates which are useful in the selective formation of a primary mono-phosphoryl group (-OPO(OH<sub>2</sub>)) in a terminal 1,2-diol-propanoyl (HO-CH<sub>2</sub>CH(OH)-CO-) containing system, and to chemical processes and chemical intermediates (and processes for their manufacture) particularly useful for the manufacturer of anti-Gram positive oxazolidinone bacterial agents containing such functionality, in particular for the preparation of 5(R)-Isoxazol-3-yloxymethyl-3-(4-(1-(2(S)-hychoxy-3-phosphoryl-propanoyl)-1,2,5,6-tetrahydropyridy-4-il)3,5-difluorophenyl)oxazolidin-2-one.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00642/MUM A(22) Date of filing of 20/05/2002  
(PCT/GB00/04447) Application:

(54) Title of the invention: BISTABLE NEMATIC LIQUID CRYSTAL DEVICE

<p>(51) International classification: G02F 1/1337</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9928126.3</p> <p>(32) Date : 30/11/1999</p> <p>(33) Name of convention country : UNITED KINGDOM</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>THE SECRETARY OF STATE FOR DEFENCE</b></p> <p>Address of the Applicant: <b>DEFENCE EVALUATION RESEARCH AGENCY, A4 BLDG, IVELY ROAD, FARNBOROUGH, HAMPSHIRE GU14 0LX GREAT BRITAIN</b></p> <p>72) Name of the Inventor:</p> <p><b>1) JOHN CLIFFORD JONES</b></p>

(57) Abstract : A liquid crystal device comprises a layer (2) of a nematic liquid crystal material contained between two cell walls (3,4) each carrying electrode structures (6,7) and an alignment surface (20,21). The alignment layer (20,21) on one or both cell wall (4), is formed of a plurality of small (<15µm) surface features each separably capable of providing a bistable pretilts and an alignment direction and collectively causing larger variations of molecular orientation across the layer (2). The device may be switched between a light transmissive state and a light non-transmissive state. The small surface features may be areas of grating (21), protrusions (25), or blind holes (26), separated by mono stable flat surfaces (Fm) coated with a homeotropic alignment layer. Preferably, the grating etc provides bistable switching operation between a low surface tilt and high surface tilt, and the low tilt alignment direction varies between adjacent grating areas.

Figure : 6.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00643/MUM A (22) Date of filing of Application: 20/05/2002  
(PCT/IB00/01766)

(54) Title of the invention: A FLAT BLANK FOR THE FORMATION OF A RIGID CARTON FOR CIGARETTE PACKETS

<p>(51) International classification: B65D 5/52</p> <p>(30) Priority Data :</p> <p>(31) Document No.: BO99A 000659</p> <p>(32) Date : 01/12/1999</p> <p>(33) Name of convention country : ITALY</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>G.D. S.P.A.</p> <p>Address of the Applicant: VIA BATTINDARNO, 91, I-40133 BOLOGNA, ITALY</p> <p>72) Name of the Inventor:</p> <p>1) SILVANO BORIANI 2) FIORENZO DRAGHETTI</p>

(57) Abstract : A flat blank (1; 25) for the formation of rigid carton (2; 26) having the shape of a parallelepiped, in which two panels (5', 8') form a front wall (5) and, respectively, a lid (8) on the carton (2; 26), and in which the panel (5') which forms the front wall (5) is divided by a pre-weakened tear line (10) into a first and a second portion (11', 12'); and the panel (8') which forms the lid (8) is divided by a fold line (13; 29) into a first and second portion (14', 27'; 15', 28'), the first portion (14', 27') being adjacent to the panel (5') that forms the front wall (5).

Figure : 3.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00644/MUM A (22) Date of filing of Application: 20/05/2002  
(PCT/US00/13373)

(54) Title of the invention: SOLUTION FEED OF MULTIPLE CATALYSTS

<p>(51) International classification: C08F 210/16</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/451,792</p> <p>(32) Date : 01/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>UNIVATION TECHNOLOGIES LLC</p> <p>Address of the Applicant: SUITE 1950, 5555 SAN FELIPE, HOUSTON, TEXAS 77056, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) JOHN F. SZUL 2) KERSTEN ANNE TERRY 3) SIMON MAWSON 4) DAVID JAME SCHRECK 5) MARK GREGORY GOODE 6) PAUL THEODORE DANIELL 7) MATTHEW GARY MCKEE 8) CLARK C. WILLIAMS</p>

(57) Abstract : This invention provides methods to introduce multiple catalysts, activators or catalyst systems into a gas phase reactor

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00645/MUM A (22) Date of filing of 21/05/2002  
(PCT/EP00/10738) Application:

(54) Title of the invention: PROCESS FOR THE MANUFACTURE OF SHAPED ARTICLES

<p>(51) International classification: B29C 47/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9927682.6</p> <p>(32) Date : 23/11/1999</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant: HINDUSTAN LEVER HOUSE, 165/166 BACKBAY RECLAMATION, MAHARASHTRA 400 020 MUMBAI, INDIA</p> <p>72) Name of the Inventor:</p> <p>1) EDMONDSON BRIAN 2) IRVING GRAEME NEIL</p>
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(57) Abstract : A process for the production of a shaped article of a consumable product in which a composition is extruded through a die comprising at least one orifice characterized in that the cross-sectional area for flow through the said at least one orifice is varied in a continuous fashion during at least part of the time said extrusion is occurring, whereby an extrudate is obtained whose cross-sectional area varies along at least a part of its length. Apparatus suitable for carrying out the process are also described.

Figure : 2 (a, b, c).

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00646/MUM A (22) Date of filing of Application: 21/05/2002  
(PCT/EP00/10896)

(54) Title of the invention: TEXTILE MATERIAL

<p>(51) International classification: D06M 15/227</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9927903.6</p> <p>(32) Date : 25/11/1999</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>HINDUSTAN LEVER LIMITED</p> <p>Address of the Applicant: HINDUSTAN LEVER HOUSE, 165/166 BACKABAY RELCAMATION, MAHARASHTRA, 400 020 MUMBAI, INDIA</p> <p>72) Name of the Inventor:</p> <p>1) CRAWFORD ROBERT JOHN 2) DUNCAN DAVID 3) KUKULJ DAX 4) SAMS PHILIP JOHN</p>

(57) Abstract : The treatment of fabric by coating with from 0.01 to 2% by weight on weight of fabric of a polymer composition comprising a thermoplastic elastomer improves the crease recovery properties and/or elasticity and/or tensile strength of a fabric.

Figure : NIL.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00647/MUM A (22) Date of filing of Application: 21/05/2002  
(PCT/EP00/10625)

(54) Title of the invention: PROCESS FOR PREPARING GRANULAR DETERGENT COMPOSITIONS

<p>(51) International classification: C11D 11/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9927653.7</p> <p>(32) Date : 22/11/1999</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>HINDUSTAN LEVER LIMITED</b></p> <p>Address of the Applicant: HINDUSTAN LEVER HOUSE, 165/166 BACKABAY RECLAMATION, MAHARASHTRA, 400 020 MUMBAI, INDIA</p> <p>72) Name of the Inventor:</p> <p>1) GROOT ANDREAS THEODORUS JOHANNES 2) VAN POMEREN ROLAND WILHEMUS JOHANNES</p>

(57) Abstract : A process for preparing a free-flowing granular detergent composition with improved storage stability involves granulation of a solid starting material comprising a hydratable salt with a liquid binder and treating the resulting granules in a low shear mixer with from 0.5 to 20 wt% of water.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/90648/MUM A (22) Date of filing of 21/05/2002  
(PCT/US00/29821) Application:

(54) Title of the invention: METHOD AND APPARATUS FOR DECONTAMINATING FLUIDS USING ULTRAVIOLET RADIATION

<p>(51) International classification: G01N 21/01</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/160,755 2) 09/488,777</p> <p>(32) Date : 1) 21/10/1999 2) 21/01/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>LIGHTSTREAM TECHNOLOGIES, INC</b></p> <p>Address of the Applicant: <b>12200 SUNRISE VALLEY DRIVE, RESTON, VA 20191, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) LANTIS, ROBERT, M.</b></p>

(57) Abstract : A method and apparatus (20) for decontaminating a fluid (F), particularly water and wastewater, uses pulsed ultraviolet (UV) light (52) in an automatic pump driven configuration that separately and in real time adjusts each UV reactor module for both water flow and UV power (average and peak intensity) to accommodate a wide range of influent conditions, thereby producing the quality of water discharge desired by the operator. Process control is configured on the basis of UV transmission-based feedback control loop and on a truly active and independent adjustment of each reactor module, as opposed to the relative passive and dependent adjustment techniques of the prior art. By matching the condition of the source water to the amount of UV dosage required to produce from it the desired water discharge quality, and then achieving this dosage in real time by the most practical optimum combination of average/peak power and variable pump rate, the method and apparatus represent a new way of achieving automated, high efficiency wastewater decontamination.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00649/MUM A (22) Date of filing of Application: 21/05/2002  
(PCT/FR00/03622)

(54) Title of the invention: CARBOXAMIDE DIAZEPIN DERIVATIVES,  
PREPARATION METHOD, USE AS MEDICINES, PHARMACEUTICAL  
COMPOSITIONS AND USE THEREOF

(51) International classification: C07D 487/04  
(30) Priority Data :  
(31) Document No.: 99/16567  
(32) Date : 28/12/1999  
(33) Name of convention country : FRANCE  
(66) Filed U/s. 5(2) : YES  
(61) Patent of addition to application No.: NIL  
(62) Filed on : N.A.  
(63) Divisional to Application No.: NIL  
(64) Filed on: N.A.

71) Name of the Applicant:

AVENTIS PHARAMA S.A.

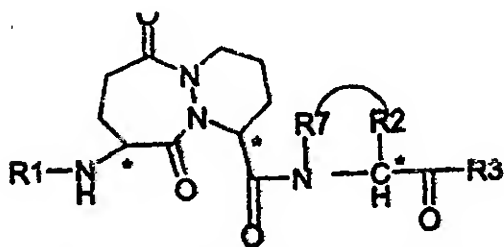
Address of the Applicant:

20 AVENUE RAYMOND ARON, F-92160 ANTONY, FRANCE

72) Name of the Inventor:

1) NEERJA BHATNAGAR  
2) JACQUES MAUGER

(57) Abstract :



The invention concerns products of formula (I) wherein: R<sub>1</sub> represents in particular -C(O)-R<sub>5</sub>, -SO<sub>2</sub>-R<sub>5</sub> or -C(O)-NR<sub>6</sub>R<sub>5</sub>, R<sub>2</sub> and R<sub>7</sub> are such that either R<sub>7</sub> represents a hydrogen atom and R<sub>2</sub> is such that the group (a) represents the radical of a natural or non-natural amino acid, or R<sub>2</sub> and R<sub>7</sub> form together a cycle with the nitrogen and carbon atom whereto they are bound, R<sub>3</sub> represents in particular the radical -CH=N<sub>2</sub> or -CH<sub>2</sub>-L-R<sub>4</sub>, R<sub>4</sub> represents in particular a linear or branched alkyl radical, and their additive salts with mineral or organic acids or with mineral or organic bases of said products of formula (I). The invention also concerns the methods for preparing said products and their use as medicines.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00650/MUM A (22) Date of filing of** **21/05/2002**  
**(PCT/US00/32336) Application:**

(54) Title of the invention: **DOUBLY CURVED OPTICAL DEVICE WITH GRADED ATOMIC PLANES**

<p>(51) International classification: <b>G21K 1/06</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>09/450,323</b></p> <p>(32) Date : <b>29/11/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>X-RAY OPTICAL SYSTEMS INC.</b></p> <p>Address of the Applicant:  <b>30 CORPORATE CIRCLE,  ALBANY, NY 12203, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) ZEWU CHEN</b></p>
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(57) Abstract : An optically curved device is presented for use in focusing or imaging x-rays from a divergent source. The device includes a plurality of curved atomic reflection planes, at least some of which are separated by a spacing  $d$  which varies in at least one direction across the optically curved device. A doubly curved optical surface is disposed over the plurality of curved reflection planes. The spacing  $d$  varies continuously in the at least one direction for enhanced matching of incident angles of x-rays from a divergent source impinging on the optical surface with the Bragg angles on at least some points of the optical surface. The doubly curved optical surface can have an elliptic, parabolic, spheric or aspheric profile

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00651/MUM A (22) Date of filing of Application: 21/05/2002  
(PCT/FR00/03266)

(54) Title of the invention: SAFETY CAP

<p>(51) International classification: B65D 41/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99/15441</p> <p>(32) Date : 29/11/1999</p> <p>(33) Name of convention country : FRANCE</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>VALOIS S.A.</p> <p>Address of the Applicant: B.P.G., LE PRIEURE, F-27110 LE NEUBOURG, FRANCE</p> <p>72) Name of the Inventor:</p> <p>1) FREDERIC HELDT</p>

(57) Abstract : The invention concerns fluid product dispensing device (10) comprising a product reservoir, a dispensing member such as a pump, a dispensing head (15) provided with a dispensing orifice (16) and a fixing part (12, 13), and a safety cap (20) including fixing means (30) for fixing said cap (20) on said dispensing device (10), said fixing means (30) being detachable for removing said cap (20) before said dispensing device (10) is used, said fixing means (30) being removed by combining an axial pressure on said cap (20) along an axis (X) of said device and by rotating said cap (20) about said axis (X). The invention is characterized in that said cap (20) comprises fixing tabs (31) with a U-shaped end (32).

Figure : 4.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00652/MUM A(22) Date of filing of 21/05/2002  
(PCT/US00/33046) Application:
- (54) Title of the invention: METHOD FOR MAKING HYDROPHOBICALLY ASSOCIATIVE POLYMERS, METHODS OF USE AND COMPOSITION

<p>(51) International classification: C08F</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/455,024</p> <p>(32) Date : 06/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>HERCULES INCORPORATED</p> <p>Address of the Applicant: 1313 N. MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE, 19894-0001, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) FU CHEN 2) BARAKA A KAWAWA 3) HUASHI T. ZHANG</p>

(57) Abstract : Method for producing an hydrophobically associative polymer is provided which is characterized by forming a monomer solution comprising a surfactant, at least one hydrophobic ethylenically unsaturated monomer, at least one hydrophilic monomer selected from nonionic ethylenically monomers, cationic ethylenically unsaturated monomers, anionic ethylenically unsaturated monomers or mixtures thereof, and water; forming a salt solution comprising a multivalent salt and water; mixing the monomer solution and salt solution to form a mixed solution; and charging the mixed solution with an initiator, thereby polymerizing the monomers to form the hydrophobically associative polymer in a dispersion. Aqueous dispersion containing the hydrophobically associative polymer formed by the method. The aqueous dispersion containing the hydrophobically associative polymer may be used in a paint formulation, in a mobility control fluid useful in enhanced oil recovery, in a secondary or tertiary oil recovery system, in an enhanced oil recovery method, in a cementitious composition, in an oil well drilling mud formulation, in a fracturing fluid formulation, in a wastewater treatment system, or in a dewatering sludge system.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00653/MUM A (22) Date of filing of Application: 21/05/2002 (PCT/EP00/10964)	
(54) Title of the invention: METHOD AND DEVICE FOR FEEDING A GAS TO A METALLURGICAL VESSEL	
(51) International classification: C21C 5/46 (30) Priority Data : (31) Document No.: A 2146/99 (32) Date : 20/12/1999 (33) Name of convention country : AUSTRIA (66) Filed U/s. 5(2) : NO (61) Patent of addition to application No.: NIL (62) Filed on : N.A. (63) Divisional to Application No.: NIL (64) Filed on: N.A.	71) Name of the Applicant:  VOEST-ALPINE INDUSTRIEANLAGENBAU GMBH & CO.  Address of the Applicant: TURMSTRASSE 44, A-4020 LINZ, AUSTRIA  72) Name of the Inventor:  1) KURT WIEDER 2) JOHANN WURM 3) MOHAMED TAREK EL-RAYES

(57) **Abstract** : The invention relates to a method for feeding a gas to metallurgical vessel, the gas carrying a component in the gaseous and/or liquid state that can condensed or evaporated. The gas is fed to the metallurgical vessel via one or more gas feeding devices. The gas speed is continuously increased in a first section in a number of gas feeding devices, and the gas is intimately mixed in a vortex zone with the components that can be condensed or evaporated. The gas speed is substantially maintained constant in a discharge section and the gas that is intimately mixed with the component carried along is blown into the metallurgical vessel. The invention also relates to a gas feeding device for carrying out the invention method. The invention method and the inventive gas feeding device allow prevention and/or reduction of nozzle damages.

Figure : 2.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00654/MUM A** (22) Date of filing of Application: **21/05/2002**  
(PCT/AU00/01402)

(54) Title of the invention: **DEPTH MAP COMPRESSION TECHNIQUE**

<p>(51) International classification: <b>G06T 7/40</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>PQ 4166</b></p> <p>(32) Date : <b>19/11/1999</b></p> <p>(33) Name of convention country : <b>AUSTRALIA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>DYNAMIC DIGITAL DEPTH RESEARCH PTY. LTD.</b></p> <p>Address of the Applicant: <b>6A BRODIE HALL DRIVE, BENTLEY WA 6102, AUSTRALIA</b></p> <p>72) Name of the Inventor:</p> <p><b>1) PHILIP VICTOR HARMAN 2) ANDREW MILLAN</b></p>

(57) Abstract : A method of compressing depth maps including the steps of: determining the boundary of at least one object within a depth map, applying a curve to the boundary of each object, and converting the continuous depth data within an area bounded by the curve into at least one ramp function

Figure : 3.



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00655/MUM A(22) Date of filing of Application: 22/05/2002  
(PCT/EP00/13203)

(54) Title of the invention: METHOD FOR OPEN-END ROTOR SPINNING

<p>(51) International classification: D02H</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 199 63 087.9</p> <p>(32) Date : 24/12/1999</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>W. SCHLAFHORST AG &amp; CO.</p> <p>Address of the Applicant: 143-145, D-41061, MONCHENGLADBACH, GERMANY</p> <p>72) Name of the Inventor:</p> <p>1) MEYER, JURGEN 2) LASSMANN, MANFRED</p>

(57) Abstract : The aim of the invention is to propose a method for open-end rotor spinning, in which the formation of covered fibres in particular, the so-called fibre ring is, at least significantly, reduced. According to the invention, the fibre stream emanating from a fibre guide channel comprises a directional component, in the direction of the rotor, as the yarn shank (3), stretching from the outlet jet to the rotor flute, at least in the vicinity of the rotor flute (1), bends against the rotation direction of the rotor. The production of this directed bend in the yarn shank (3) occurs during the commencement of the spinning process.

Figure : 1.

Publication After 18 months

The following ~~Patent~~ application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00656/MUM A (22) Date of filing of Application: 22/05/2002  
(PCT/US00/35520)

(54) Title of the invention: QUAD PUMPED BUS ARCHITECTURE AND PROTOCOL

<p>(51) International classification: G06F 13/42</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/474,058</p> <p>(32) Date : 29/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>INTEL CORPORATION</p> <p>Address of the Applicant: 2200 MISSION COLLEGE BOULEVARD, P.O.BOX 58119 SANTA CLARA, CA 95052-8119, U.S.A.</p> <p>(72) Name of the Inventor:</p> <p>1) SINGH, GURBIR 2) GRENIER, ROBERT J 3) PAWLOWSKI, STEPHEN 4) HILL DAVID L 5) PARKER DONALD D</p>

(57) Abstract : A bidirectional multidrop processor bus is connected to a plurality of bus agents. Bus throughput can be increase by operating the bus in a multi pumped signaling mode in which multiple information elements are driven into a bus by a driving agent at a rate that is a multiple of the frequency of the bus clock. The driving agent also activates a strobe to identify sampling point for the information elements. Information elements for a request can be driven, for example, using a double pumped signaling mode in which two information elements are driven during one bus clock cycle. Data elements for a data line transfer can be driven for example, using a quad pumped signaling mode in which four data elements are driven during one bus clock cycle. Multiple strobes signals can be temporarily activated in an offset or staggered arrangement to reduce the frequency of the strobe signal. Sampling symmetry can be improved by using only one type of edge (e.g., either the rising edges or the falling edges) of the strobe signals to identify the sampling points.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00657/MUM A** (22) Date of filing of Application: **23/05/2002**  
(PCT/FR00/03546)

(54) Title of the invention: **MATRIX TABLET ENABLING THE PROLONGED RELEASE OF TRIMETAZIDINE AFTER ADMINISTRATION BY THE ORAL ROUTE**

(51) International classification: <b>A61K 31/495</b>	71) Name of the Applicant:  <b>LES LABORATOIRES SERVIER</b>
(30) Priority Data :	
(31) Document No.: <b>99/15960</b>	Address of the Applicant: <b>1 RUE CARLE HERBERT, 92415 COURBEVOIE CEDEX, FRANCE</b>
(32) Date : <b>17/12/1999</b>	
(33) Name of convention country : <b>FRANCE</b>	
(66) Filed U/s. 5(2) : <b>YES</b>	
(61) Patent of addition to application No.: <b>NIL</b>	72) Name of the Inventor:
(62) Filed on : <b>N.A.</b>	<b>1) BRUNO HUET DE BAROCHEZ 2) CLAUDE DAUPHANT 3) PATRICK WUTHRICH</b>
(63) Divisional to Application No.: <b>NIL</b>	
(64) Filed on: <b>N.A.</b>	

(57) Abstract : The invention concerns a matrix object for prolonged release of trimetazidine or one of its additive salts to a pharmaceutically acceptable acid after oral administration, characterized in that the prolonged release is controlled by the use of a polymer derived from cellulose

Figure : **NIL.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00658/MUM A (22) Date of filing of Application: 23/05/2002  
(PCT/US00/33866)

(54) Title of the invention: NOVEL PROCESSES FOR MAKING-AND A NEW CRYSTALLINE FORM OF-LEFLUNOMIDE

<p>(51) International classification: A61K 31/42</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/171,228 2) 60/171,237 3) 60/182,647 4) 60/202,416</p> <p>(32) Date : 1) 16/12/1999 2) 16/12/1999 3) 15/02/2000 4) 08/05/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>TEVA PHARMACEUTICAL INDUSTRIES LTD.</b></p> <p>Address of the Applicant: <b>5 BASEL STREET, P.O. BOX 3190, PETAH TIQVA 49131, ISRAEL</b></p> <p>72) Name of the Inventor:</p> <p><b>1) ILYA AVRUTOV 2) NEOMI GERSHON 3) JUDITH ARONHIME</b></p>

(57) Abstract : New leflunomide Form III is disclosed, along with processes for preparing it. The present invention also provides an economic process for preparing leflunomide Form II and a process for preparing leflunomide Form I from leflunomide Form III. Pharmaceutical compositions and dosage forms containing the new form and methods of using them for the treatment of rheumatoid arthritis are also disclosed.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00659/MUM A(22)** Date of filing of **23/05/2002**  
(PCT/JP01/08229) Application:

(54) Title of the invention: **AIR CONDITIONER**

<p>(51) International classification: <b>F24F 11/02</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) <b>2000-292245</b> 2) <b>2000-292246</b></p> <p>(32) Date : 1) <b>26/09/2000</b> 2) <b>26/09/2000</b></p> <p>(33) Name of convention country : <b>JAPAN</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>DAIKIN INDUSTRIES LTD.</b></p> <p>Address of the Applicant: <b>UMEDA CENTER BUILDING, 4-12, NAKAZAKI-NISHI 2-CHOME, KITA- KU, OSAKA-SHI, OSAKA 530-8323, JAPAN</b></p> <p>72) Name of the Inventor:</p> <p><b>1) SHIGEHARU TAIRA 2) YOUICHI OHNUMA 3) MASAHI TO YOSHIZAWA</b></p>
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(57) Abstract : An air conditioner using inflammable refrigerant, comprising an indoor unit (1) having a sensor (11) for detecting inflammable refrigerant gas installed on the outer surface thereof to prevent an accident such as fire from occurring even if the inflammable refrigerant leaks, the indoor unit (1) further comprising a casing (2) with an inlet (8) and an outlet (5) for storing a heat exchanger (3) and a fan (7) therein, wherein the fan (7) is rotated while the inflammable refrigerant flows to the heat exchanger (3) during the operation to perform a heat exchange between the air taken into the casing (2) through the inlet (8) and the inflammable refrigerant by the heat exchanger (3), the air after the heat exchange is blown out indoors through the outlet (5), and a control part (9) rotates the fan (7) when the sensor (11) detects the inflammable refrigerant gas.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00660/MUM A (22) Date of filing of Application: 23/05/2002  
(PCT/US00/30155)

(54) Title of the invention: METHOD OF CRYOPRESERVING SELECTED SPERM CELLS

<p>(51) International classification: A01N 1/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 60/167,423 2) 09/478,299</p> <p>(32) Date : 1) 24/11/1999 2) 05/01/2000</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(51) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p>XY, INC.</p> <p>Address of the Applicant: MOONDRIFT RANCH, 1108 N. LEMAY AVENUE, FORT COLLINS, CO 80524, U.S.A.</p> <p>72) Name of the Inventor:</p> <p>1) JOHN SHENK</p>

(57) Abstract : The present invention provides a method of cryopreserving sperm that have been selected for a specific characteristic. In a preferred embodiment, the method is employed to freeze sex-selected sperm. Although the cryopreservation methods of invention can be used to freeze sperm selected by any number of selection methods, selection using flow cytometry is preferred. The present invention also provides a frozen sperm sample that has been selected for a particular characteristic, such as sex-type. In preferred embodiments, the frozen sperm sample includes mammalian sperm, such as for example, human, bovine, equine, porcine, ovine, elk, or bison sperm. The frozen selected sperm sample can be used in a variety of applications. In particular, sample can be thawed and used for fertilization. Accordingly, the invention also includes a method of using the frozen selected sperm sample for artificial insemination or in vitro fertilization.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00661/MUM A (22) Date of filing of Application: 23/05/2002  
(PCT/US00/01712)

(54) Title of the invention: VASCULAR GRAFTS AND METHODS FOR BRIDGING A VESSEL SIDE BRANCH

<p>(51) International classification: A61F 2/06</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/473,618</p> <p>(32) Date : 29/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>71) Name of the Applicant:</p> <p><b>EDWARDS LIFESCIENCES CORPORATION</b></p> <p>Address of the Applicant: <b>ONE EDWARDS WAY, IRVINE, CA 92614, U.S.A.</b></p> <p>72) Name of the Inventor:</p> <p><b>1) MARK DEHDASHTIAN</b></p>
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(57) Abstract : A vascular graft (20) for a primary vessel (22) adapted to bridge a side branch (24). The graft is especially useful for providing a support tube for a primary graft in the primary vessel on one side of the side branch. The graft includes first and second tubular sections separated by a gap. A bridging member (54) connects the first (50) and second tubular sections (52) across the gap and may include a relatively rigid strut to prohibit relative axial movement of the two sections. There may be one, two or more bridging members to define one, two or more apertures through which blood can flow from within the graft through to the vessel side branch. The graft may include a flexible, desirably fabric, body supported by a wireform stent that is either self or balloon-expandable. The graft may be deployed within the abdominal aorta on both sides of the renal arteries and have two apertures for blood to flow from the aorta to the renals. The infra-renal section provides a uniform uniform tabular anchoring surface for a trunk portion of a bifurcated graft used to repair an abdominal aneurysm extending to the iliac arteries.

Figure : 7.

**Publication After 18 months**

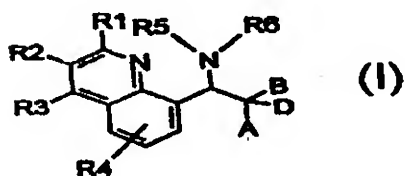
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00662/MUM A** (22) Date of filing of Application: **23/05/2002**  
(PCT/FR00/03224)

(54) Title of the invention: **2-ARYLQUINOLINE DERIVATIVES, PREPARATION AND THERAPEUTICS USE THEREOF**

<p>(51) International classification: <b>C07D 215/14</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>99/14817</b></p> <p>(32) Date : <b>25/11/1999</b></p> <p>(33) Name of convention country : <b>FRANCE</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant: <b>SANOFI-SYNTHELABO</b></p> <p>Address of the Applicant: <b>174, AVENUE DE FRANCE, F-75013 PARIS, FRANCE</b></p> <p>72) Name of the Inventor: <b>1) PHILIPPE R. BOVY 2) ALAIN BRAUN 3) CHRISTOPHE PHILIPPO</b></p>
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(57) Abstract :



The invention concerns compounds of general formula (I) wherein: 'A' represent a hydrogen atom, a hydroxy, a C<sub>1</sub>-C<sub>3</sub> alkoxy, hydroxy C<sub>1</sub>-C<sub>3</sub>-alkyl, alkoxy C<sub>1</sub>-C<sub>3</sub> alkyl, a thiol, C<sub>1</sub>-C<sub>6</sub> alkylsulphanyl group or a halogen; B and D represent, independently of each other, a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub> alkyl, fluoro C<sub>1</sub>-C<sub>6</sub> alkyl or perfluoro C<sub>1</sub>-C<sub>2</sub> alkyl group, or B and D together form an oxo group; R<sub>1</sub> represents a phenyl, a naphthyl or a heteroaryl comprising 4 or 5 carbon atoms; R<sub>2</sub> and R<sub>3</sub> represent, independently of each other, a hydrogen atom, a halogen, a C<sub>1</sub>-C<sub>6</sub> alkyl group; R<sub>4</sub> represents a hydrogen atom, a hydroxy or halogen; and R<sub>5</sub> and R<sub>6</sub> represent, independently of each other, a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub> alkyl, C<sub>2</sub>-C<sub>6</sub> alkenyl, C<sub>3</sub>-C<sub>6</sub> cycloalkyl, C<sub>3</sub>-C<sub>6</sub> cycloalkenyl, fluoro-C<sub>1</sub>-C<sub>6</sub> alkyl, perfluoro-C<sub>1</sub>-C<sub>2</sub> alkyl group, or R<sub>5</sub> and R<sub>6</sub> together form a C<sub>2</sub>-C<sub>6</sub> alkylene, C<sub>3</sub>-C<sub>6</sub> alkenylene chain to produce with the nitrogen whereto they are bound a heterocycle, said heterocycle being optionally substituted with a C<sub>1</sub>-C<sub>4</sub> alkyl group; and their salts. The invention has therapeutic uses.

Figure : NIL.



**Publication After 18 months**

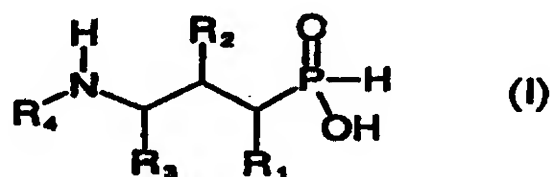
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00663/MUM A** (22) Date of filing of Application: **23/05/2002**  
(PCT/SE00/02426)

(54) Title of the invention: **NEW AMINOPROPYLPHOSPHINIC ACIDS**

<p>(51) International classification: <b>C07F 9/30</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 9904508-0 2) 0003640-0</p> <p>(32) Date : 1) 09/12/1999 2) 09/10/2000</p> <p>(33) Name of convention country : <b>SWEDEN</b></p> <p>(66) Filed U/s. 5(2) : <b>YES</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>(71) Name of the Applicant:</p> <p><b>ASTRAZENECA AB</b></p> <p>Address of the Applicant:</p> <p><b>S- 151, 85 SODERTALJE, SWEDEN</b></p> <p>(72) Name of the Inventor:</p> <p><b>1) THOMAS ELEBRING</b> <b>2) PETER GUZZO</b> <b>3) ANDERS HOLMEN</b> <b>4) THOMAS OLSSON</b> <b>5) MARIANNE SWANSON</b> <b>6) SVERKER VON UNGE</b></p>
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(57) Abstract :



Novel compound of formula (I), with the exception of i) the racemate of (3-amino-2-hydroxypropyl)phosphinic acid; and ii) (2*R*/*S*, 3*R*)-(3-amino-2-hydroxybutyl) phosphinic acid, having affinity to one or more GABA<sub>B</sub> receptors, their pharmaceutically acceptable salts, solvates and stereoisomers, as well as processes for their preparation, pharmaceutical compositions containing said therapeutically active compounds and the use of said active compounds in therapy.

Figure :

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00664/MUM A** (22) Date of filing of Application: **23/05/2002**  
(PCT/US00/42272)

(54) Title of the invention: **BANDAGE FOR WOUND OR INCISION CLOSURE**

<p>(51) International classification: <b>A61F</b></p> <p>(30) Priority Data :</p> <p>(31) Document No.: <b>09/450,488</b></p> <p>(32) Date : <b>29/11/1999</b></p> <p>(33) Name of convention country : <b>USA</b></p> <p>(66) Filed U/s. 5(2) : <b>NO</b></p> <p>(61) Patent of addition to application No.: <b>NIL</b></p> <p>(62) Filed on : <b>N.A.</b></p> <p>(63) Divisional to Application No.: <b>NIL</b></p> <p>(64) Filed on: <b>N.A.</b></p>	<p>71) Name of the Applicant:</p> <p><b>RENBEL, INC</b></p> <p>Address of the Applicant:</p> <p><b>66 MAUGUS AVENUE, WELLESLEY HILLS, MA 02481-7616, U.S.A.</b></p> <p>Name of the Inventor:</p> <p>72)</p> <p><b>1) LEBNER, MICHAEL</b></p>

(57) Abstract : Disclosed is a bandage for closing a wound or incision, and methods for the use of same. The bandage comprises a first flat flexible component having adhesive on a lower surface and a plurality of first elongated connectors extending from one edge thereof in a first direction. The bandage further comprises a second flat flexible component having adhesive on a lower surface and one or more second elongated connectors extending from one edge thereof in a second direction generally opposite to the first direction. Pulling elements are joined to the first and second elongated connectors. Means are provided for attaching the first elongated connectors to the second flat flexible component and the second elongated connectors to the first flat flexible component.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00665/MUM A(22) Date of filing of Application: 23/05/2002  
(PCT/SE00/02427)

(54) Title of the invention: NEW [AMINOPROPYL] METHYLPHOSPHINIC ACIDS

(51) International classification: A61K 9/30

(30) Priority Data :

(31) Document No.: 9904507-2

(32) Date : 09/12/1999

(33) Name of convention country : SWEDEN

(66) Filed U/s. 5(2) : YES

(61) Patent of addition to application No.: NIL

(62) Filed on : N.A.

(63) Divisional to Application No.: NIL

(64) Filed on: N.A.

71) Name of the Applicant:

ASTRAZENECA AB

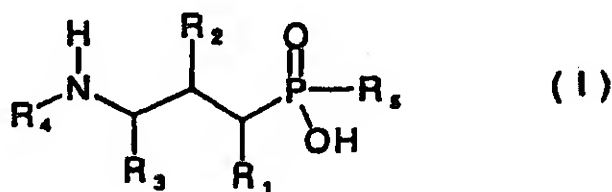
Address of the Applicant:

S-151 85 SODERTALJE SWEDEN

72) Name of the Inventor:

- 1) KOSRAT AMIN
- 2) THOMAS ELEBRING
- 3) PETER GUZZO
- 4) THOMAS OLSSON
- 5) MARIANNE SWANSON
- 6) SVERKER VON UNGE

(57) Abstract :



Novel compounds of formula (I), with the exception of i) the racemate of (3-amino-2-hydroxypropyl) methylphosphinic acid; ii) *S*-(3-amino-2-hydroxypropyl)methylphosphinic acid; iii) *R*-(3-amino-2-hydroxypropyl) methylphosphinic acid; iv) (3-amino-2-hydroxypropyl) difluoromethylphosphinic acid; and v) (3-amino-2-oxopropyl)methylphosphinic acid, having affinity to one or more GABA<sub>B</sub> receptors, their pharmaceutically acceptable salts, solvates and stereoisomers, as well as a process for their preparation, pharmaceutical compositions containing said therapeutically active compounds and the use of said active compounds in therapy.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00666/MUM A (22) Date of filing of Application: 23/05/2002  
(PCT/US00/32997)

(54) Title of the invention: KNIFE-STAB-RESISTANT COMPOSITE

(51) International classification: A41D 31/00	71) Name of the Applicant:
(30) Priority Data :	E.I. DU PONT DE NEMOURS AND COMPANY
(31) Document No.: 09/483,546	
(32) Date : 14/01/2000	Address of the Applicant:
(33) Name of convention country : USA	1007 MARKET STREET, WILMINGTON, DELAWARE 19898, U.S.A.
(66) Filed U/s. 5(2) : NO	
(61) Patent of addition to application No.: NIL	72) Name of the Inventor:
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	1) MINSHON J. CHIOU
(64) Filed on: N.A.	

(57) Abstract : A layered composite is disclosed having improved resistance to penetration by knives and knife blades. The layers of fabric in the composite are woven with low fabric tightness; and, are arranged in the composite free to move relative to one another.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: **IN/PCT/2002/00667/MUM A (22) Date of filing of** **23/05/2002**  
**(PCT/EP00/00144) Application:**

(54) Title of the invention: **CRACK RESISTANT VALVE PLATE FOR A SLIDE GATE VALVE**

(51) International classification: **B22D 41/28**

(30) Priority Data :

(31) Document No.: **99870258.3**

(32) Date : **10/12/1999**

(33) Name of convention country : **EUROPE**

(66) Filed U/s. 5(2) : **NO**

(61) Patent of addition to application No.: **NIL**

(62) Filed on : **N.A.**

(63) Divisional to Application No.: **NIL**

(64) Filed on: **N.A.**

71) Name of the Applicant:

**VESUVIUS CRUCIBLE COMPANY**

Address of the Applicant:  
**SUTE 200, 103 FOULK ROAD, SUTIE**  
**200, WILMINGTON, DELAWARE**  
**19803, U.S.A.**

72) Name of the Inventor:

**1) HANS ROTHFUSS**  
**2) VINCENT BOISDEQUIN**

(57) Abstract : The invention relates to a refractory plate (1) for a slide gate valve, having a pouring hole (3), circumscribed by a circle C of center (4), at least a portion of the edges (15, 16, 17, 18) of the plate (1) are angularly oriented so as to focus the clamping forces optimally in the throttling area and around the pouring hole.

Figure : 1.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00668/MUM A (22) Date of filing of 23/05/2002  
(PCT/JP01/08654) Application:

(54) Title of the invention: AGENT SYSTEM, AGENT-BUYING/SELLING METHOD, DATA- PROVIDING APPARATUS, AND DATA-RECORDING MEDIUM.

(51) International classification: G06F 17/60	(71) Name of the Applicant:
(30) Priority Data :	SONY CORPORATION
(31) Document No.: 2000-301175	Address of the Applicant:
(32) Date : 29/09/2000	7-35 KITASHINAGAWA 6-CHOME, SHINAGAWA-KU, TOKYO 141- 00001, JAPAN
(33) Name of convention country : JAPAN	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) AKIKO ASAMI
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : A novel agent system for conveniently acquiring an electronic pet as an agent having a desired requirement, a method for selling an agent , an information providing device, and data recorded medium are disclosed. The agent system comprises at least one client computer having a display connected to a communication line network and at least one server computer connected to the client computer through the communication line network and having a community (67) where an agent (63) is stored. The community (67) has an agent market (65z) for transferring the ownership of the agent (63).

Figure: 8

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00669/MUM A (PCT/IB00/01796)	(22) Date of filing of Application: 23/05/2002
(54) Title of the invention: A RIGID CIGARETTE PACKET WITH A HINGED LID AND A CIGARETTE PACK ACCOMODATING A PLURALITY OF SAID PACKETS.	
(51) International classification: B65D 85/10 (30) Priority Data : (31) Document No.: BO99A 000681 (32) Date : 15/12/1999 (33) Name of convention country : ITALY (66) Filed U/s. 5(2) : NO. (61) Patent of addition to application No.: NIL (62) Filed on : N.A. (63) Divisional to Application No.: NIL (64) Filed on: N.A.	(71) Name of the Applicant:  G. D. S.P.A.  Address of the Applicant:  VIA POMPONIA, 10, I-40133 BOLOGNA, ITALY  (72) Name of the Inventors:  1) ROBERTO POLLONI 2) CHIARA COLO 3) IGINO CONTI 4) FIORENZO DRAGHETTI

(57) Abstract : A rigid pack (100) with a hinged lid (12) serves both as a carton proportioned to accommodate a plurality of packets (1) of cigarettes (3), and as a single packet (1); in either instance the pack comprises a container (10) surmounted by a lid (12) hinged to one open end (11) of the container and rotatable between positions in which the container (10) is open and closed, respectively. The pack (100) appears prismatic in shape and substantially triangular in section

Figure: 3

Publication After 18 months

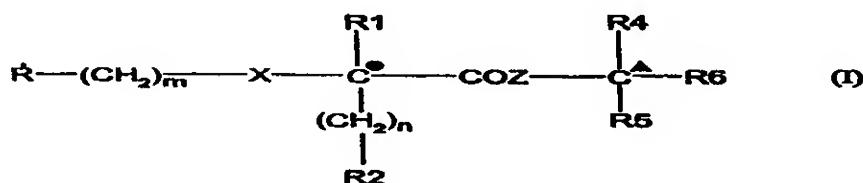
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00670/MUM A (22) Date of filing of Application: 23/05/2002  
(PCT/EP00/13349)

(54) Title of the invention: NONPEPTIDE TACHYKININRECEPTOR ANTAGONISTS

<p>(51) International classification: C07D 405/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 60/171,540 &amp; 00103665.6</p> <p>(32) Date : 22/12/1999 &amp; 22/02/2000</p> <p>(33) Name of convention country :USA &amp; EUORPE</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>WARNER-LAMBERT COMPANY</b></p> <p>Address of the Applicant:</p> <p><b>201 TABOR ROAD, MORRIS PLAINS, NEW JERSEY 07950, UNITED STATE OF AMERICA,</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) DAVID CHRISTOPHER HORWELL 2) RUSSELL ANDREW LEWTHWAITE 3) MARTIN CLIVE PRITCHARD 4) JENNIFER RAPHY 5) HUBERT BARTH 6) KLAUS STEINER 7) BERND SCHIEFERMAYR</b></p>
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(57) Abstract :



Compounds of Formula (1) are specific techykinin receptor antagonists where R, m, X, R1, R2, n, Y, R3, R4, R5, and R6 are as described in the specification. The compounds are useful agents for treating conditions associated with aberrant neovascularization such as rheumatoid arthritis, atherosclerosis and tumour cell growth.

Figure:



**Publication After 18 months**

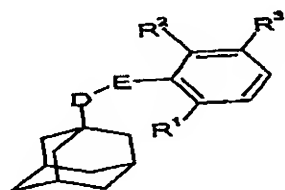
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00671/MUM A (22) Date of filing of 23/05/2002  
(PCT/SE00/02505) Application:

(54) Title of the invention: ADAMANTINE DERIVATIVES

(51) International classification: C07C 235/46	(71) Name of the Applicant:
(30) Priority Data :	ASTRAZENECA AB
(31) Document No.: 1) 9904651-8 2) 0015744.6 & 3) 0017942.4	Address of the Applicant:
(32) Date : 1) 17/12/1999 2) 27/06/2000 3) 22/07/2000	S-151 85 SODERTALJE, SWEDEN
(33) Name of convention country : 1) SWEDEN 2) GREAT BRITAIN 3) GREAT BRITAIN	(72) Name of the Inventors:
(66) Filed U/s. 5(2) : YES	1) LILIAN ALCARAZ
(61) Patent of addition to application No.: NIL	2) MOYA CAFFREY
(62) Filed on : N.A.	3) MARK FURBER
(63) Divisional to Application No.: NIL	4) TIMOTHY LUKER
(64) Filed on: N.A.	5) MICHAEL MORTIMORE
	6) AUSTEN PIMM
	7) PHILLIP THORNE
	8) PAUL WILLIS

(57) Abstract :



(I)



(II)

The invention provides adamantine derivatives of formula (I), a process for their preparation Pharmaceutical compositions containing them, a process for preparing the pharmaceutical compositions, and their use in therapy In formula (I) D represents CH<sub>2</sub> or CH<sub>2</sub>CH<sub>2</sub> E represents C(O)NH or NHC(O) and R<sup>3</sup> represents a group of formula (I)

Figure: NIL

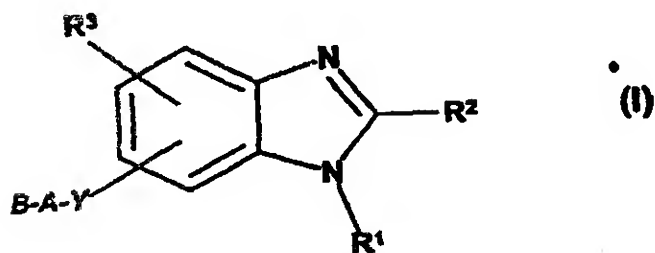
**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00672/MUM A (22) Date of filing of Application: 24/05/2002  
(PCT/EP01/00334)
- (54) Title of the invention: 1,2-DIARYL BENZIMIDAZOLES FOR TREATING ILLNESSES ASSOCIATED WITH A MICROGLIA ACTIVATION.

(51) International classification: C07D 235/18	(71) Name of the Applicant:
(30) Priority Data :	SCHERING AKTIENGESELLSCHAFT
(31) Document No.: 100 02 898.5	
(32) Date : 14/01/2000	Address of the Applicant:
(33) Name of convention country : GERMANY	MULLERSTRASSE 178, 13342 BERLIN,
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:
(62) Filed on : N.A.	1) JOACHIM KUHNKE 2) WOLFGANG HALFBRODT 3) URSULA MOENNING
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract :



The invention relates to 1,2-diaryl benzimidazoles of general formula (I) and to the use of benzimidazole derivatives for producing medicaments utilized for the treatment and prophylaxis of illnesses that are associated with a microglia activation.

Figure: NIL

**Publication After 18 months**

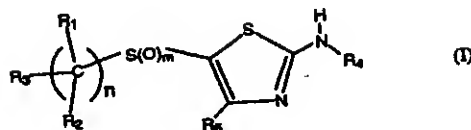
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00673/MUM A (22) Date of filing of Application: 24/05/2002  
(PCT/US00/33037)

(54) Title of the invention: AMINOTHIAZOLE INHIBITORS OF CYCLIN DEPENDENT KINASES.

<p>(51) International classification: C07D 277/54</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/464,511</p> <p>(32) Date : 15/12/1999</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>BRISTOL-MYERS SQUIBB COMPANY</b></p> <p>Address of the Applicant:</p> <p><b>A DELAWARE CORPORATION OF LAWRENCEVILLE-PRINCETON RD., P O BOX 4000, PRINCETON, NEW JERSEY 08543-4000, UNITED STATES OF AMERICA</b></p> <p>(72) Name of the Inventors:</p> <p>1) KYOUNG S. KIM 2) SPENCER DAVID KIMBALL 3) ZHEN-WEI CAI 4) DAVID B. RAWLINS 5) RAJ N. MISRA 6) MICHAEL A. POSS 7) KEVIN R. WEBSTER 8) JOHN T. HUNT 9) WEN CHING HAN</p>
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(57) Abstract :



Compounds of formula (I) and pharmaceutically acceptable salts thereof. As used in formula (I), and throughout the specification, the symbols have the following meanings :  $\text{R}_1$  and  $\text{R}_2$  are independently hydrogen, fluorine or alkyl;  $\text{R}_3$  is aryl or heteroaryl,  $\text{R}_4$  has various meanings;  $\text{R}_5$  is hydrogen or alkyl;  $m$  is an integer of 0 to 2; and  $n$  is an integer of 1 to 3. The compounds of formula (I) are protein kinase inhibitors and are useful in the treatment and prevention of proliferative diseases, for example, cancer inflammation and arthritis. They may also be useful in the treatment of neurodegenerative diseases such as Alzheimer's diseases cardiovascular diseases, viral diseases and fungal diseases.

Figure: NIL

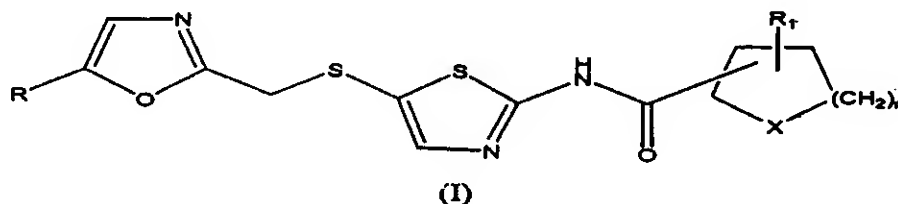
**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00674/MUM A (22) Date of filing of Application: 24/05/2002  
(PCT/US00/33501)
- (54) Title of the invention: N-[5-[[[5-ALKYL-2-OXAZOLYL]METHYL]THIO]-2-THIAZOLYL]CARBOXAMIDEINHIBITORS OF CYCLIN DEPENDENT KINASES

<p>(51) International classification: C07D 417/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 06/464,511 &amp; 09/616,627</p> <p>(32) Date : 15/12/1999 &amp; 26/07/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>BRISTOL-MYERS SQUIBB COMPANY</b></p> <p>Address of the Applicant:</p> <p><b>A DELAWARE CORPORATION OF LAWRENCEVILLE-PRINCETON RD., P O BOX 4000, PRINCETON, NEW JERSEY 08543-4000, UNITED STATES OF AMERICA</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) RAJ N. MISRA 2) HAI-YUN XIAO</b></p>
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(57) Abstract :



The present invention describes compounds of formula (I): and enantiomers and pharmaceutically acceptable salts thereof. The formula (I) compounds are protein kinase inhibitors and are useful in the treatment of proliferative diseases, for example, cancer, inflammation and arthritis. They may also be useful in the treatment of Alzheimer's disease, chemotherapy-induced alopecia, and cardiovascular disease.

Figure: NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00675/MUM A (22) Date of filing of 24/05/2002  
(PCT/GB01/00049) Application:

(54) Title of the invention: FULVESTRANT FORMULATION

<p>(51) International classification: A61K 31/565</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0000313.7 &amp; 0008837.7</p> <p>(32) Date : 10/01/2000 &amp; 12/04/2000</p> <p>(33) Name of convention country : UNITED KINGDOM</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) TRAZENECA AB 2) ASTRAZENECA UK LIMITED</p> <p>Address of the Applicant:</p> <p>1) S-151 85 SODERTALJE, SWEDEN 2) 15 STANHOPE GATE, LONDON W1Y 6LN (GB)</p> <p>(72) Name of the Inventors:</p> <p>1) JOHN RAYMOND EVANS 2) ROSALIND URSULA GRUNDY</p>

(57) Abstract : The invention relates to a novel sustained release pharmaceutical formulation adapted for administration by injection containing the compound  $7\alpha$ -[4,4,5,5,5-pentafluoropentylsulphinyl]nonyl]oestra 1,3,5(10)-triene-3,17 $\beta$ -diol, more particularly to a formulation adapted for administration by injection containing the compound  $7\alpha$ -[9-(4,4,5,5,5-pentafluoropentylsulphinyl]nonyl]oestra-1,3,5(10)-triene-3,17 $\beta$ -diol in solution in a ricinoleate vehicle which additionally comprises at least one alcohol and a non-aqueous ester solvent which is miscible in the ricinoleate vehicle.

**Figure: 1**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00676/MUM A (22) Date of filing of 24/05/2002  
(PCT/US00/34221) Application:

(54) Title of the invention: METAL SILICATES CELLULOSE PRODUCTS AND PROCESSES THEREOF.

<p>(51) International classification: C01B 33/32</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/459,890</p> <p>(32) Date : 14/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) HERCULES INCORPORATED 2) ZHANG FUSHAN</p> <p>Address of the Applicant:</p> <p>1313 NORTH MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE 19894-0001, UNITED STATES OF AMERICA, A CORPORATION OF THE STATE OF DELAWARE.</p> <p>(72) Name of the Inventors:</p> <p>1) THOMAS E. TAGGART 2) JIMEI TONG</p>

(57) Abstract : Aqueous composition, including a water-soluble metal silicate complex which includes at least one divalent metal. A process for preparing an aqueous composition including water-soluble metal silicate complex includes combining monovalent cation silicate and divalent metal ions in an aqueous environment to form the water-soluble metal silicate complex. A process of modifying cellulose slurry includes adding an aqueous composition having water-soluble metal silicate complex which includes divalent metal to cellulose slurry. A process for preparing cellulose slurry includes adding monovalent cation silicate to cellulose slurry comprising a sufficient amount of divalent metal ions to combine with the monovalent cation silicate to form water-soluble metal silicate complex. A process of making cellulose product includes: adding an aqueous composition having water-soluble metal silicate complex including divalent metal to cellulose slurry; and forming cellulose product from the cellulose slurry.

Figure: NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00677/MUM A (22) Date of filing of 24/05/2002  
(PCT/EP01/10519) Application:

(54) Title of the invention: HEAT-SHRINK CHUCK

<p>(51) International classification: B23B 5/22</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 100 48 772.6</p> <p>(32) Date : 29/09/2000</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SCHUNK GMBH &amp; CO. KG FABRIK FUR SPANN-UND GREIFWERKZEUGE</b></p> <p>Address of the Applicant:</p> <p><b>BAHNHOFSTRASSE 106-134, D-74348 LAUFFEN, GERMANY</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) THOMAS RETZBACH 2) RALPH KERSTEN</b></p>

(57) Abstract : The invention relates to a heat-shrinkable chunk for clamping tools by means of shrink fit. Said heat-shrinkable chunk comprises a chunk body (1), which can be fixed to the work spindle of a machine tool and inside of which a central seat (2) is provided for the shaft (3) of a tool to be clamped. The inventive heat shrinkable chunk is characterized in that the central seat (2) is non-circular and has, along the periphery thereof, several interspaced clamping areas, which are situated on a common diameter and via which the shaft (3) is clamped. Damping areas (5) of a larger diameter are provided between said clamping areas (4)

Figure: 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00678/MUM A (22) Date of filing of 24/05/2002  
(PCT/US00/34003) Application:

(54) Title of the invention: CELLULOSE PRODUCTS COMPRISING SILICATE AND PROCESS FOR PREPARING THE SAME.

<p>(51) International classification: D21H 17/66</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/459,891</p> <p>(32) Date : 14/12/1999</p> <p>(33) Name of convention country : USA</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HERCULES INCORPORATED</b></p> <p>Address of the Applicant:</p> <p><b>A CORPORATION OF THE STATE OF DELAWARE, 1313 NORTH MARKET STREET, HERCULES PLAZA, WILMINGTON, DELAWARE 198940001, UNITED STATES OF AMERICA.</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) JIMEI TONG</b> <b>2) FUSHAN ZHANG</b></p>
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(57) Abstract : Process for preparing cellulose products, such as paper product which includes substantially simultaneously or sequentially adding at least one aluminum compound and at least one silicate to a cellulose slurry to a cellulose slurry such as a paper slurry. In particular, the present invention is directed to process for preparing the cellulose products, such as paper products which includes substantially simultaneously or sequentially adding at least one aluminum compound and at least one monovalent silicate or water-soluble metal silicate complex to a cellulose slurry such as a paper slurry. Composition containing at least one aluminum compound and at least one water-soluble metal silicate, and cellulose products, such as paper products containing at least one water-soluble metal silicate complex.

Figure:



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00679/MUM A (22) Date of filing of 24/05/2002  
(PCT/FI00/01061) Application:

(54) Title of the invention: METHOD FOR SINTERING FERROALLOY MATERIALS

<p>(51) International classification: C22B 1/16</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 19992590</p> <p>(32) Date : 02/12/1999</p> <p>(33) Name of convention country : FINLAND</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>OUTOKUMPU OYJ</p> <p>Address of the Applicant:</p> <p>RIIHITONTUNTIE 7, FIN-02200 ESPOO FINLAND</p> <p>(72) Name of the Inventors:</p> <p>1) KROGERUS HELGE 2) OIKARINEN PAIVI 3) LINTUMAA TIMO 4) LAMULA ESKO</p>

(57) **Abstract :** The invention relates to a method for sintering ferroalloy materials in a continuously operated band sintering process, in which method the pellets to be sintered are arranged on the sintering underlay as an essentially even pellet bed, which pellet bed is conveyed on the sintering underlay through the various steps of the sintering process, and in connection with the sintering process, gas is conducted through the pellet bed. According to the invention, at least the major part of the carbon bearing material needed for heating the pellet bed up to the sintering temperature is fed onto the surface of ready-made pellets prior to bringing the pellets to the sintering step.

**Figure : NIL.**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00680/MUM A (22) Date of filing of 24/05/2002  
(PCT/CN01/01460) Application:

(54) Title of the invention: COMMUNICATION POWER SUPPLY AC/DC DISTRIBUTION CABINET

<p>(51) International classification: H02B 1/46</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 00117495.9</p> <p>(32) Date : 30/09/2000</p> <p>(33) Name of convention country : CHINA</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>EMERSON NETWORK POWER CO. LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>ELECTRIC BUILDING, HUAWEI BASE, BANXUEGANG INDUSTRIAL ZONE, LONGGANG, SHENZHEN MUNICIPALITY, P. R. CHINA 518129</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) YUXIONG LI 2) ZHENFENG NIU 3) RUNXIAO ZHANG</b></p>
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(57) Abstract : An AC and DC distribution cabinet for communication power supply comprising a cabinet body, a AC distribution part (2) and a DC distribution part (1), characterized in that said AC distribution part is arranged in lower space of the cabinet and said DC distribution part is arranged in upper space of the cabinet, there is a circuit board (B) mounted inside of the door of said cabinet body, the distribution cabinet of the present invention make it possible to operate and maintain, from only one side, apparatus and elements of the AC and DC parts in the cabinet.

Figure : NIL.

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00681/MUM A (22) Date of filing of Application: 27/05/2002  
(PCT/EP00/13027)

(54) Title of the invention: METHOD FOR PRODUCING 4-[HETEROARYL-METHYL]-HALOGEN-1[2H]-PHTHALAZINONES

(51) International classification: C07D 401/06	(71) Name of the Applicant:  SCHERING AKTIENGESELLSCHAFT  Address of the Applicant:  MULLERSTRASSE 178, 13342 BERLIN, GERMANY
(30) Priority Data :	
(31) Document No.: 199 63 607.9	
(32) Date : 23/12/1999	
(33) Name of convention country : GERMANY	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors:  1) ORLIN PETROV 2) TAMAS HEINER 3) HARRIBERT NEH 4) MARTIN KRUGER
(62) Filed on : N.A.	
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The invention relates to a method for producing 4-(heteroaryl-methyl)-halogen-1(2H) phthalazinones, especially 4-(4-pyridylmethyl)-1(2H)-phthalazinone, which is characterized by the reaction of phthalidyl-3-triphenylphosphonium salt with 4-pyridine aldehyde in the presence of a basic auxiliary agent, by the subsequent reaction with hydrazine hydrate and by the subsequent acid treatment, whereby this method avoids the technical safety and environmental problems posed by prior art methods.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00682/MUM A (22) Date of filing of Application: 27/05/2002  
(PCT/JP99/06863)

(54) Title of the invention: **RECORDED MEDIUM ON WHICH PROGRAM FOR DISPLAYING SKILL ACHIEVEMENT LEVEL, DISPLAY DEVICE, AND DISPLAYING METHOD**

<p>(51) International classification: G 06 F 17/60</p> <p>(30) Priority Data :</p> <p>(31) Document No.: NIL</p> <p>(32) Date : N.A.</p> <p>(33) Name of convention country : NIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SKILL/VISION CO. LTD.</b></p> <p>Address of the Applicant:</p> <p><b>37-1-101, MINAMISENJU 6-CHÔME, ARAKAWA-KU, TOKYO 116-0003, JAPAN</b></p> <p>(72) Name of the Inventors:</p> <p><b>(1) YASUKO WATNABE</b></p>

(57) Abstract : A recorded medium on which a program for displaying an index of skill achievement level of vocational field concerning the skills that one or more users have is recorded, The program is a (Skill-map) displaying program characterized in that program has a table having item (a) where the results of evaluation of the degree of achievement of skill items necessary for the vocational field by a predetermined evaluating method are inputted as numerical values and item (b) where the reference values of the skill items are inputted as numerical values, the numerical values inputted to table (a) and those of tables (b) are compared to display the skill achievement levels of the users at the input time and the references values for comparison, Such a program is used especially through a network to facilitate the matching of a vocation and the business management for companies and to help the user make a skill-up plan and know the market value of the user. A skill map displaying device and a displaying method are also disclosed.

Figure : 3

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00683MUM A (22) Date of filing of Application: 27/05/2002  
(PCT/FR00/03320)

(54) Title of the invention: SAFETY DEVICE AGAINST EXCESS PRESEEURE BY JOINT CREEP FOR PRESSURE COOKER WITH MANHOLE-TYPE LID.

<p>(51) International classification: A 47 J 27/08</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99/15037</p> <p>(32) Date : 30/11/1999</p> <p>(33) Name of convention country : FRANCE</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SEB S.A.</p> <p>Address of the Applicant:</p> <p>LES 4 M, CHEMIN DU PETITI-BOIS, BOITE POSTALE 172, F-69132 ECULLY CEDEX, FRANCE</p> <p>(72) Name of the Inventors:</p> <p>(1) DIDIER LOUIS AUGUSTE MANCHON</p> <p>(2) CARINE GINDA</p>

(57) Abstract : The invention concerns a safety device against excess pressure for a pressure cooker with manhole-type lid comprising a cooking vessel (1), with an out-of-round opening defined by an inset rim (4) wherein can be inserted an out-of-round lid (10) to close the vessel (1) via a sealing joint (11), mounted in a groove (12) forming a curled edge. The invention is characterized in that substantially in the zone (S) corresponding to the large diameter (D) of the lid (10), the groove (12) comprises creep means (20,21) for the joint (11), and the joint (11), the inset rim (4) and the lid (10) are shaped such that in the event of excess pressure, the joint (11) is locally deformed by the creep means (20,21). The invention is applicable to pressure cookers for domestic use.

Figure : 4

**Publication After 18 months**

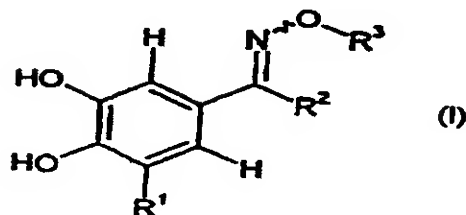
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00684/MUM A (22) Date of filing of 27/05/2002  
(PCT/EP00/12111) Application:

(54) Title of the invention: CATECHOL OXIMES AND THEIR USE IN COSMETIC AND DERMATOLOGICAL PREPARATIONS

<p>(51) International classification: A61K 7/48</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 199 60 105.4</p> <p>(32) Date : 14/12/1999</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>HAARMANN &amp; REIMER GMBH</p> <p>Address of the Applicant:</p> <p>MUHLENFELDSTR, 1, D 37603 HOLZMINDEN, GERMANY</p> <p>(72) Name of the Inventors:</p> <p>1) JAKOB PETER LEY 2) WILLIAM JOHNCOCK 3) JOHANNES KAULEN</p>
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(57) Abstract :



The invention relates to cosmetic and/or dermatological preparation which contain, in part, novel catechol oximes of formula (I). Said preparations can promote, in physiological systems, the natural defense mechanisms against free radicals and reactive oxygen compounds or can be used as protective agents in cosmetic or pharmaceutical product whose oxidation-sensitive constituents should be protected from autooxidation.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00685/MUM A (22) Date of filing of 28/05/2002  
(PCT/EP01/10598) Application:

(54) Title of the invention: HOSE CLAMP

<p>(51) International classification: F16L 33/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 00 120 930.3</p> <p>(32) Date : 26/09/2000</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>HANS-OETIKER AG MASCHINEN- UND APPARATEFABRIK</b></p> <p>Address of the Applicant:</p> <p><b>OBERDORFSTRASSE 21, CH-8812 HORGEN, SWITZERLAND</b></p> <p>(72) Name of the Inventors:</p> <p><b>1) HANS OETIKER 2) ULRICH MEIER</b></p>

(57) Abstract : The invention relates to an open hose clamp with overlapping band ends wherein the outer band portion (11), starting from its end, comprises an opening (12), a waved section (13), a so called Oetiker ear (14), a cutout section (15) and a hook (16), while the inner band portion (17), starting from its end, comprises a hook (21) to be inserted in the opening (12), a smooth section (20) bridging the waved section (13) and the ear (14), and a tongue (18) with a lug (19) that extends through the cutout section (15). The lug (19) guides the tongue (18) through the cutout section (15), thereby positioning the two band portions (11,17) transversally to the longitudinal extension of the band in a correct manner relative each other, The lug also serves to fixate the hung-in state of the hose clamp and to open the tensioned clip in cooperation with the hook (16) provided on the outer band portion (11)

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00686/MUM A (22) Date of filing of 28/05/2002  
(PCT/DE01/00748) Application:

(54) Title of the invention: METHOD AND DEVICE FOR REGULATION OF THE CONCENTRATION OF METAL IONS IN AN ELECTROLYTE AND USE THEREOF

(51) International classification: C25D 21/14	(71) Name of the Applicant:
(30) Priority Data :	ATOTECH DEUTSCHLAND GMBH
(31) Document No.: 100 13 339.8	Address of the Applicant:
(32) Date : 17/03/2000	ERASMUSSTRASSE, 20, D-10553
(33) Name of convention country : GERMANY	BERLIN, GERMANY
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors:
(61) Patent of addition to application No.: NIL	(1) KAI-JENS MATEJAT
(62) Filed on : N.A.	(2) SVEN LAMPRECHT
(63) Divisional to Application No.: NIL	
(64) Filed on: N.A.	

(57) Abstract : The regulation of the concentration of metal ions in an electrolyte, for the electrolytic separation of metals. Containing additional substances of an electrochemically reversible redox system is conventionally achieved by passing at least a part of the electrolyte through an auxiliary cell, comprising an insoluble auxiliary anode (20) and at least one auxiliary cathode (30), between which a flow of current is generated by application of a voltage. Excess amount of the oxidized material from the redox system are thus reduced at the auxiliary cathode (30) and the formation of ions of the metal to be separated is avoided. According to the invention pieces of the metal to be separated (30) are used as the auxiliary cathode.

Figure : 2

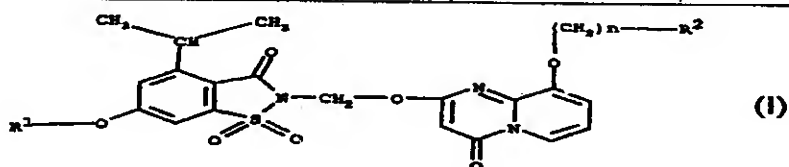


**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00687/MUM A (22) Date of filing of Application: 28/05/2002  
(PCT/HU00/00130)
- (54) Title of the invention: SACCHARIN DERIVATIVES AS ORALLY ACTIVE ELASTASE INHIBITORS.

<p>(51) International classification: C07D 471/04</p> <p>(30) Priority Data :</p> <p>(31) Document No.: P9904624</p> <p>(32) Date : 17/12/2000</p> <p>(33) Name of convention country : HUNGARY</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SANOFI-SYNTHELABO</p> <p>Address of the Applicant:</p> <p>174, AVENUE DE FRANCE, F-75013 PARIS, FRANCE</p> <p>(72) Name of the Inventors :</p> <p>1) PETER ARANYI 2) SANDOR BATORI 3) STEPHANE DESSILLA 4) ISTVAN HERMECZ 5) ZOLTAN KAPUI 6) FERENC LEVAI 7) ENDRE MIKUS 8) MARC PASCAL 9) LAJOS T. NAGY 10) BRUNO SIMONOT 11) KATALIN URBAN SZABO 12) MARTON VARGA 13) LELLE VASVARINE DEBRECZY</p>
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**(57) Abstract :**

Orally active compounds of general formula (I) wherein R<sup>1</sup> is methyl, ethyl or 2-morpholino-ethyl group, R<sup>2</sup> is piperidino, morpholino or 4-methyl-piperazinyl group, n is 2 or 3 and their salts, solvates and hydrates.

**Figure : NIL**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00688/MUM A (22) Date of filing of 28/05/2002  
(PCT/BR01/00025) Application:

(54) Title of the invention: A VACUUM-BREAKING VALVE FOR A REFRIGERATED COMPARTMENT

<p>(51) International classification: F25D 23/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: P1 0006442-4</p> <p>(32) Date : 11/12/2000</p> <p>(33) Name of convention country : BRAZIL</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>MULTIBRAS S.A. ELECTRODOMESTICOS</p> <p>Address of the Applicant:</p> <p>AVENIDA DAS NACOES UNIDAS, 12995, 32<sup>o</sup> ANDAR, 04578-000-SAO PAULO – SP, BRAZIL</p> <p>(72) Name of the Inventors :</p> <p>(1) JAQUELINE FERRAO LAMPERT BELLINI (2) GUIDO GARCIA BERNARDELLI (3) JUAREZ MEDERIOS DE SOUZ (4) EDSON ADRIANO DASILVA</p>

(57) Abstract : A vacuum-breaking valve comprising: a tubular body (10) mounted through one of the walls (P) of the cabinet (G) and having inner (11) and outer (12) ends, a valve seat (15) defining a fluid communication between the inside and the outside of cabinet (G); and a seal constantly biased towards a closed position, blocking said fluid communication and displaceable towards an open value position. The seal comprises a slide (20), which is axially and slicingly mounted through the valve seat (15) and has a surrounding sealing ring (25), which is seated against the valve seat (15) when the slide (20) is displaced to the closed seal position, the slide (20) being provided with at least one air passage (24) interconnecting the upstream and downstream sides of the valve seat (15) when the slide (20) is in the open seal position.

Figure : 2

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00689/MUM A (22) Date of filing of 28/05/2002  
(PCT/JP01/08444) Application:

(54) Title of the invention: EXHAUST SYSTEM FOR INTERNAL COMBUSTION ENGINES

<p>(51) International classification: F01N 3/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-311298</p> <p>(32) Date : 11/10/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant: .</p> <p><b>HONDA GIKEN KOGYO KABUSHIKI KAISHA</b></p> <p>Address of the Applicant:</p> <p><b>1 – 1, MINAMIAOYAMA 2-CHOME, MINATO-KU, TOKYO 107-8556, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>1) MURASE HIROYUKI</b></p>

**(57) Abstract :** An exhaust system for internal combustion engines, which, in order to improve the durability of an exhaust system for internal combustion engines having an exhaust gas purifying device welded to an exhaust pipe, comprises a first exhaust pipe (3) and an exhaust gas purifying device (4) having a casing (20). The casing (20) is composed of first and second casing halves (21, 22) joined together by welding. The upstream end (3a) of the first exhaust pipe (3) is connected to an exhaust manifold through a spherical joint (6), while the downstream end (3b) of the first exhaust pipe (3) is welded to a first casing half (21), of two casing halves (21, 22), which forms the upper portion of the casing (20), in such a manner that the downstream end (3b) does not overlap a weld (W2) which joins the two casing halves (21, 22). Therefore, there is no possibility of overlap of a weld (W1) between the first exhaust pipe (3) and the first casing half (21), nor is the possibility of strength being decreased. Further, exhaust gases flow into the casing (20) only through the first exhaust pipe (3).

**Figure : 5.**

**Publication After 18 months**

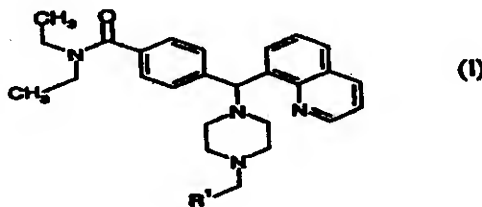
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00690/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/SE00/02559)

(54) Title of the invention: NOVEL COMPOUNDS

<p>(51) International classification: A61K</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904673-2</p> <p>(32) Date : 20/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ASTRAZENECA AB</p> <p>Address of the Applicant:</p> <p>S-15185 SODERTALJE, SWEDEN</p> <p>(72) Name of the Inventors :</p> <p>1) WILLIAM BROWN 2) CHRISTOPHER WALPOLE 3) NIKLAS PLOBECK</p>
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(57) Abstract :



Compounds of general formula (I),  $R^1$  is selected any one of phenyl, pyridinyl, thiophenyl, furanyl, imidazolyl, each phenyl ring and heteroaromatic ring optionally and independently being further substituted by 1,2 or 3 substituents selected from straight and branched  $C_1$ - $C_6$  alkyl,  $NO_2$ ,  $CF_3$ ,  $C_1$ - $C_6$  alkoxy, chloro, fluoro, bromo, and iodo; are disclosed and claimed in the present application, as well as their pharmaceutically acceptable salts, pharmaceutical composition comprising the novel compounds and their use in therapy, in particular in the management of pain.

Figure :

**Publication After 18 months**

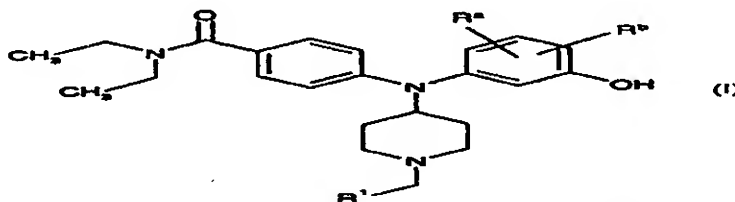
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00691/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/SEOO/02560)

(54) Title of the invention: NOVEL COMPOUNDS

(51) International classification: C07K 211/58	(71) Name of the Applicant:  ASTRAZENECA AB
(30) Priority Data :	
(31) Document No.: 9904675-7	
(32) Date : 20/12/1999	Address of the Applicant:  S-15185 SODERTALJE, SWEDEN
(33) Name of convention country : SWEDEN	
(66) Filed U/s. 5(2) : YES	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	(1) WILLIAM BROWN
(63) Divisional to Application No.: NIL	(2) CHRISTOPHER WALPOLE
(64) Filed on: N.A.	

(57) Abstract :



Compounds of general formula (I),  $R^1$  is selected any one of phenyl, pyridinyl, thiophenyl, furanyl, imidazolyl, and triazolyl; where each  $R^1$  phenyl ring and  $R^1$  heteroaromatic ring may optionally and independently be further substituted by 1,2 or 3 substituents selected from straight and branched  $C_1$ - $C_6$  alkyl,  $NO_2$ ,  $CF_3$ ,  $C_1$ - $C_6$  alkoxy, chloro, fluoro, bromo, and iodo. The substitution on the phenyl ring and on the heteroaromatic ring may take place in any position on said ring systems;  $R^a$  and  $R^b$  is each and individually selected from any one of hydrogen, a straight and branched  $C_1$ - $C_6$  alkyl,  $NO_2$ ,  $CF_3$ ,  $C_1$ - $C_6$  alkoxy, chloro, fluoro, bromo, and iodo; are disclosed and claimed in the present application, as well as their pharmaceutically acceptable salts and pharmaceutical compositions comprising the novel compounds and their use in therapy, in particular in the management of pain.

Figure : NIL

**Publication After 18 months**

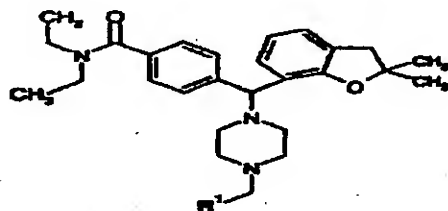
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00692/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/SE00/02562)

(54) Title of the invention: NOVEL COMPOUNDS

<p>(51) International classification: C07D 405/02.</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904674-0</p> <p>(32) Date : 20/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ASTRAZENECA AB</p> <p>Address of the Applicant:</p> <p>S-15185 SODERTALJE, SWEDEN</p> <p>(72) Name of the Inventors :</p> <p>1) WILLIAM BROWN 2) CHRISTOPHER WALPOLE</p>

(57) Abstract :



(I)

Compounds of general formula (I), wherein  $R^1$  selected from phenyl, pyridinyl, thiophenyl, furanyl, imidazolyl, and triazolyl; where each  $R^1$  phenyl ring and  $R^1$  heteroaromatic ring may optionally and independently be further substituted by 1,2 or 3 substituents selected from straight and branched  $C_1$ - $C_6$  alkyl,  $NO_2$ ,  $CF_3$ ,  $C_1$ - $C_6$  alkoxy, chloro, fluoro, bromo, and iodo.

Figure : NIL

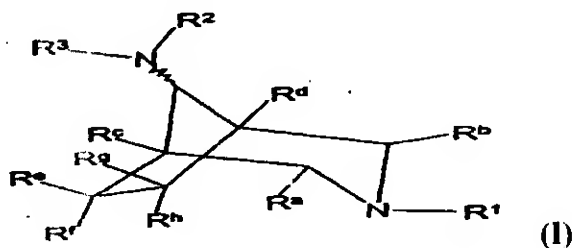
**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00693/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/SEO0/02604)
- (54) Title of the invention: NEW AZABICYCLOOCTANE DERIVATIVES USEFUL IN THE TREATMENT OF CARDIAC ARRHYTHMIAS

<p>(51) International classification: C07D 221/24</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904765-6</p> <p>(32) Date : 23/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>ASTRAZENECA AB</p> <p>Address of the Applicant:</p> <p>S-15185 SODERTALJE, SWEDEN</p> <p>(72) Name of the Inventors :</p> <p>(1) MAGNUS BJORSNE (2) FRITIOF PONTEN (3) GERT STRANDLUND (4) PEDER SVENSSON</p>
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(57) Abstract :



There is provided compounds of formula (I), wherein  $R^1$ ,  $R^2$ ,  $R^3$  and  $R^4$  to  $R^9$  have meaning given in the description, which are useful in the prophylaxis and in the treatment of arrhythmias, in particular atrial and ventricular arrhythmias, a process for the preparation of compounds of formula (I), and intermediate compounds.

Figure : NIL

**Publication After 18 months**

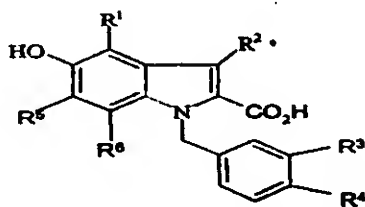
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00694/MUM A (22) Date of filing of Application: 29/05/2002 (PCT/GB01/00069)

(54) Title of the invention: INDOLE DERIVATIVES AS MCP-1 RECEPTOR ANTAGONISTS.

<p>(51) International classification: C07D 209/42</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 0000626.2</p> <p>(32) Date : 13/01/2000</p> <p>(33) Name of convention country : GREAT BRITAIN</p> <p>(66) Filed U/s. 5(2) : YES</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>1) ASTRAZENECA AB 2) ASTRAZENECA UK LIMITED</p> <p>Address of the Applicant:</p> <p>1) S-15185 SODERTALJE, SWEDEN 2) 15 STANHOPE GATE, LONDON 6LN</p> <p>(72)</p> <p>Name of the Inventors :</p> <p>(1) ALAN WELLINGTON FAULL (2) JASON GRANT KETTLE</p>
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(57) Abstract :



A compound of formula (I) wherein: R<sup>1</sup> is hydrogen, halo or methoxy; R<sup>2</sup> is hydrogen, halo, methyl, ethyl or methoxy; R<sup>3</sup> is a halo group or a trifluoromethyl group; R<sup>4</sup> is a halo group or a trifluoromethyl group; R<sup>5</sup> is hydrogen or halo; R<sup>6</sup> is hydrogen or halo; provided that when R<sup>5</sup> and R<sup>6</sup> are both hydrogen, and one of R<sup>3</sup> or R<sup>4</sup> is chloro or fluoro, then the other is not chloro or fluoro; or a pharmaceutically acceptable salt or prodrug thereof. These compounds have useful activity for the treatment of inflammatory disease, specifically in antagonizing an MCP-1 mediated effect in a warm-blooded animal such as a human being.

Figure : NIL



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00695/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/IT00/00518)

(54) Title of the invention: METHOD TO EVALUATE THE HIV DRUG SENSITIVITY

<p>(51) International classification: C12Q 1/68</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99830776.3</p> <p>(32) Date : 15/12/1999</p> <p>(33) Name of convention country : EUROPE</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NII</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>BIOSTRANDS S. R. L.</b></p> <p>Address of the Applicant:</p> <p><b>AREA SCIENCE PARK, PALAZZINA F3, PADRICIANO 99, 34012 TRIESTE, ITALY.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) STEFANO MENZO (2) MASSIMO CLEMENTI</b></p>
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(57) Abstract : A method to evaluate the sensitivity of an HIV variant from a biological sample to at least one drug able to inhibit the HIV protease is disclosed. The method comprises the steps of: a) amplifying the nucleic acid encoding the HIV protease from the biological sample, to obtain and amplified HIV protease coding sequence; b) cloning the amplified HIV protease coding sequence into a unique restriction site of a modified HIV molecular clone, wherein said modified HIV molecular clone is modified at least by deleting the protease coding sequence and by replacing it with the unique restriction site, to obtain a recombinant HIV molecular clone comprising and expressing the HIV protease coding sequence; c) introducing the recombinant HIV molecular clone comprising and expressing the HIV protease coding sequence into cultured cells, to obtain recombinant HIV transfected cells; d) measuring the level of HIV p24 antigen into the cell supernatant of the recombinant HIV transfected cells both in the presence and in the absence of the drug able to inhibit the HIV protease. The method is suitable for any HIV variant, both HIV-1 or HIV-2 variants, Diagnostic kits are also disclosed.

Figure : 1

### **Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00696/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/JP00/08109)

(54) Title of the invention: POROUS PART FOR REFRIGERATORS, AND METHOD OF PRODUCING THE SAME AND REFRIGERATOR

<p>(51) International classification: F64B 39/02</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 11/347539 &amp; 2000-27685</p> <p>(32) Date : 07/12/1999 &amp; 04/02/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>DAIKIN INDUSTRIES LTD.</b></p> <p>Address of the Applicant:</p> <p><b>UMEDA CENTER BUILDING, 4-12, NAKAZAKI-NISHI 2-CHOME, KITA- KU, OSAKA-SHI, OSAKA 530-8328, JAPAN</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) SHIGEHARU TAIRA (2) ATSUSHI ENDOU</b></p>
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(57) Abstract : In this porous part producing method, head parts(11A,11B), which are sintered parts. in the interior of a compressor are subjected at least to vacuum substitution or heat blow cleaning, whereby oils, such as rust-preventive oil in the head parts (11A, 11B) in the interior of the compressor, forming a cause of contamination or sludge, is discharged from the head parts (11A, 11B) in the interior of the compressor, whereupon the head parts (11A, 11B) in the interior of the compressor are immersed in alkyl benzene type oil serving as refrigerator oil. Thereby the deterioration-inducing substances in the head parts (11A, 11B) in the interior of the compressor can be replaced by the refrigerator oil; thus, it is possible to produce a porous part for refrigerators which will not bring about contamination or sludge even if used as a component for refrigerators for a long time.

Figure : 2

**Publication After 18 months**

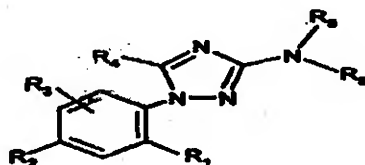
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

- (21) Application No.: IN/PCT/2002/00697/MUM A (22) Date of filing of Application: 29/05/2002 (PCT/FR00/03536)

- (54) Title of the invention: NOVEL BRANCHED SUBSTITUTED AMINO DERIVATIVES OF 3-AMINO-1-PHENYL-1H[1,2,4] TRIAZOL, METHODS FOR PRODUCING THEM AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

<p>(51) International classification: C07D 249/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99/15935</p> <p>(32) Date : 17/12/1999</p> <p>(33) Name of convention country : FRANCE</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SANOFI-SYNTHELABO</p> <p>Address of the Applicant:</p> <p>174, AVENUE DE FRANCE, F-75013 PARIS, FRANCE</p> <p>(72) Name of the Inventors :</p> <p>(1) MICHEL GESLIN (2) DANIELLE GULLY (3) JEAN-PIERRE MAFFRAND (4) PIERRE ROGER</p>
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(57) Abstract :



(I)

The invention relates to compounds of general formula (I), wherein in particular, R<sub>1</sub>, R<sub>2</sub>, and R<sub>3</sub> represent, each independently of each other, hydrogen, a halogen atom; a (C<sub>1</sub>-C<sub>3</sub>) alkyl; a (C<sub>1</sub>-C<sub>3</sub>) alkoxy; a trifluoromethyl or a group S-R, wherein R represents a (C<sub>1</sub>-C<sub>5</sub>) alkyl; R<sub>4</sub>, R<sub>5</sub> represents a (C<sub>1</sub>-C<sub>5</sub>) alkyl; an alkynyl with 3 to 5 carbon atoms; a (C<sub>3</sub>-C<sub>5</sub>) cycloalkyl or an R<sub>a</sub>-X-(C<sub>1</sub>-C<sub>2</sub>)alkyl group wherein R<sub>a</sub> represents a (C<sub>1</sub>-C<sub>3</sub>) alkyl and X represents O; R<sub>6</sub> represents -CHR<sub>7</sub>R<sub>8</sub> wherein R<sub>7</sub> represents a phenyl group which can be substituted by one or more radicals Z' in position 3,4 and 5, with Z' representing a halogen; a (C<sub>1</sub>-C<sub>5</sub>) alkyl; a (C<sub>1</sub>-C<sub>5</sub>) alkyl-X-or (C<sub>1</sub>-C<sub>3</sub>)alkyl-X-(C<sub>1</sub>-C<sub>2</sub>) alkyl or X represents O; or a methylenedioxy group; and R<sub>8</sub> represents a (C<sub>1</sub>-C<sub>6</sub>)alkyl; a (C<sub>3</sub>-C<sub>5</sub>)cycloalkyl (C<sub>1</sub>-C<sub>3</sub>)alkyl; (C<sub>1</sub>-C<sub>3</sub>)alkyl-X-(C<sub>1</sub>-C<sub>3</sub>)alkyl wherein X represents O. These compounds are suitable for CRF receptors.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00698/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/ZA00/00188)

(54) Title of the invention: MOUNTING OF FLEXIBLE DISPLAY PANELS

<p>(51) International classification: G09F 15/00</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99/7002</p> <p>(32) Date : 09/11/1999</p> <p>(33) Name of convention country : SOUTH AFRICA</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>LOWNDES JAMES GEORGE</p> <p>Address of the Applicant:</p> <p>CLIFFORD STREET, 7800 OTTERY, SOUTH AFRICA</p> <p>(72) Name of the Inventors:</p> <p>1) LOWNDES JAMES GEORGE</p>
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(57) Abstract : A mounting structure for a display panel (156) is disclosed. The mounting structure comprises upper and lower fixed extrusions (110), an upper panel mounting extrusion (152) to which the upper edge of the display panel (156) is secured and a lower mounting extrusion (122) to which the lower edge of the display panel (156) is secured. The upper mounting extrusion (152) includes a series of ribs (154.1, 154.2, 154.3) which engage with a recess (120) in the upper fixed extrusion (110). A locking extrusion (138) includes a pivot plate (150) which engages in the recess (120) of the lower fixed extrusion (110). It also has a formation (148) which engages in a socket (124) of the extrusion (122). The panel (156) is tensioned and secured by swinging the extrusion (138) downwardly about its line of contact with the lower extrusion (110). Unlocking is achieved by swinging the extrusion (138) in the opposite direction

**Figure: 27**

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00699/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/SE00/02632)

(54) Title of the invention: **A BODY FORMED OF SET, INITIALLY PASTY MATERIAL AND INCLUDING AN ELECTRICALLY CONDUCTING PATH AND A METHOD OF MAKING SUCH A BODY.**

<p>(51) International classification: B28B 1/52</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904770-6</p> <p>(32) Date : 23/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>SVEDBERG BJORN</b></p> <p>Address of the Applicant:</p> <p><b>HOGALIDSGATAN 33, S-117 30 STOCKHOLM</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) BJORN SVEDBERG</b></p>

(57) **Abstract** : A body (5) of set, initially pasty material, such as concrete, includes an electrically conducting path formed by a concentrated layer (6) of electrically conducting magnetizable elements, such as fibres (F) or granules (G), embedded in the initially pasty material and extending through at least a portion of the body (5). Electrically conducting terminal members (9) may be connected to the electrically conducting layer (6) at spaced-apart positions along the layer (6) at spaced-apart positions along the layer (6). A method of providing such a body (5) includes the steps of : (a) forming a body of the pasty material in which electrically conducting magnetizable elements (F) are dispersed, (b) applying a magnetic field to the body of pasty material to form from the magnetizable elements an electrically conducting layer embedded in the body of pasty material and extending at least through a portion of the body (5), and (c) causing the body of pasty material containing the layer (6) to set. Before or after the setting of the body (5) of pasty material, electrically conducting terminal members (9), may be connected to the electrically conducting layer (6) at spaced- apart positions along the layer.

**Figure : 1**

### **Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00700/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/AU00/01572)

(54) Title of the invention: AREA DENIAL

<p>(51) International classification: B64D</p> <p>(30) Priority Data: :</p> <p>(31) Document No.: PQ 4787</p> <p>(32) Date : 20/12/1999</p> <p>(33) Name of convention country : AUSTRALIA</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>METAL STORM LIMITED</b></p> <p>Address of the Applicant:</p> <p><b>LEVEL 34, 345 QUEEN STREET, BRISBANE, QUEENSLAND 4000, AUSTRALIA.</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) JAMES MICHAEL O'DWYER.</b></p>

(57) Abstract : A method of denying access to a designated area wherein said method includes monitoring the designated area to detect the presence of an intruder, and initiating an attack on said intruder wherein said attack includes discharging projectiles from a barrel assembly, said barrel assembly having a barrel, a plurality of projectiles axially disposed within the barrel for operative sealing engagement with the bore of the barrel, and discrete propellant charges for propelling respective projectiles sequentially through the muzzle of the barrel.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00701/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/JP01/03667)

(54) Title of the invention: ROTARY DAMPER

<p>(51) International classification: F16F 9/14</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 2000-329818</p> <p>(32) Date : 30/10/2000</p> <p>(33) Name of convention country : JAPAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>SUGATSUNE KOGYO CO. LTD.</p> <p>Address of the Applicant:</p> <p>8-11, HIGASHIKANDA, 1-CHOME, CHIYODA-KU, TOKYO 101-8633, JAPAN</p> <p>(72) Name of the Inventors :</p> <p>(1) SUGATSUNE KOGYO CO. LTD.</p>
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(57) Abstract : A rotating damper, wherein a cam member (5) installed in a first chamber (R1) rotatably and unmovably in axial direction is connected unrotatably to a rotor (3) through a connection shaft part (52) passing through a piston (4), a second cam mechanism (10) installed between the cam member (5) and the piston (4) allows the piston (4) to move in one direction when the rotor (3) rotates in the same direction and according to that rotation, the cam mechanism moves the piston (4) from a second chamber (R2) side to the first chamber (R1) side, and moves the piston (4) in the same direction by the same amount when the rotor (3) rotates in the other direction and, according to that rotation, the cam mechanism (7) allows the piston (4) to move from the first chamber (R1) side to the second chamber (R2) side.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00702/MUM A (22) Date of filing of Application: 29/05/2002  
(PCT/NO00/00412)

(54) Title of the invention: **DISPLAY AND MANEOUVRING SYSTEM AND METHOD**

<p>(51) International classification: H04M</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 1) 19996001 2) 20004375</p> <p>(32) Date : 1) 06/12/1999 2) 01/09/2000</p> <p>(33) Name of convention country : NORWEGIAN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>ZIAD BADARNEH</b></p> <p>Address of the Applicant:</p> <p><b>CARL KJELSENS VEI 34, 0874 OSLO, NORWAY</b></p> <p>(72) Name of the Inventors :</p> <p><b>(1) ZIAD BADARNEH</b></p>
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(57) Abstract : A system and method for displaying and assisting manipulative movements when operating an operating device for a piece of functional equipment, for example, a telephone, a mobile telephone, a remote control unit, a text and/or character transmitter, a calculator, an electronic planner, a portable hand-held or stationary computer (e.g., PC or mini-PC), a music center, a camera, game equipment, alarm equipment, admission control equipment, control equipment or the like, where the operating device is actuatable by an operator's finger to execute at least two function commands. Displayed on the display panel are at least three discrete fields and/or sub-fields of selectively optional functions and/or designation and/or character, the operating device thus being able to actuate at least three options. At least one further manipulation of the operating device will cause at least one successive selection to be made on the basis of or starting from a preceding selection of said functions and/or designation and/or characters. The selection made are displayed and used in or by the functional equipment.

Figure : 19B



**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) **Application No.: IN/PCT/2002/00703/MUM A (22) Date of filing of Application: 30/05/2002**  
(PCT/US00/33737)

(54) **Title of the invention: PROCESS FOR MAKING PRESSURIZED LIQUEFIED NATURAL GAS FROM PRESSURIZED NATURAL GAS USING EXPANSION COOLING**

<p>(51) <b>International classification: F25J 3/00</b></p> <p>(30) <b>Priority Data :</b></p> <p>(31) <b>Document No.: 60/172,548</b></p> <p>(32) <b>Date : 17/12/1999</b></p> <p>(33) <b>Name of convention country : USA</b></p> <p>(66) <b>Filed U/s. 5(2) : NO.</b></p> <p>(61) <b>Patent of addition to application No.: NIL</b></p> <p>(62) <b>Filed on : N.A.</b></p> <p>(63) <b>Divisional to Application No.: NIL</b></p> <p>(64) <b>Filed on: N.A.</b></p>	<p>(71) <b>Name of the Applicant:</b></p> <p><b>EXXONMOBIL UPSTREAM RESEACH COMPANY</b></p> <p><b>Address of the Applicant:</b></p> <p><b>P.O. BOX 2189, HOUSTON, TEXAS 77252-2189, UNITED STATES OF AMERICA</b></p> <p>(72) <b>Name of the Inventors :</b></p> <ol style="list-style-type: none"> <li><b>1. MOSES MINTA</b></li> <li><b>2. RONALD R. BOWEN</b></li> <li><b>3. JOHN B. STONE</b></li> </ol>
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(57) **Abstract :** This invention relates to process for liquefying a pressurized gas stream rich in methane. In a first step of the process of first fraction (13) of a pressurized feed stream, preferably at a pressure above 11,000 kPa, is withdrawn and entropically expanded (70) to a lower pressure to cool an at least partially liquefy the withdraw first fraction. A second fraction (12) of the feed stream is cooled by indirect heat exchange (61) with the expanded first fraction (15). The send fraction (17) is subsequently expanded (72) to as lower pressure, thereby at least partially liquefying the second fraction (17) of the gas stream. The liquefied second fraction (37) is withdrawn from the process as a pressurized product stream having a temperature abpve-112<sup>0</sup> C and a pressure at or above its bubble point pressure.

Figure : 1

### Publication After 18 months

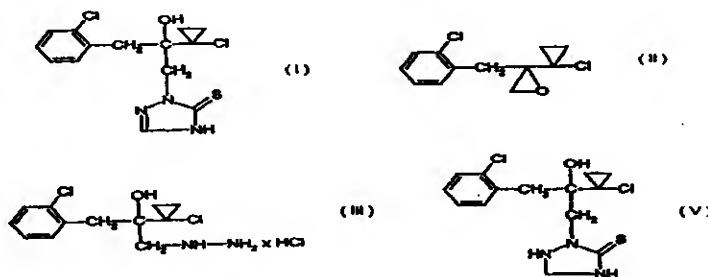
The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00704/MUM A (22) Date of filing of Application: 30/05/2002 (PCT/EP00/12494)

(54) Title of the invention: METHOD FOR PRODUCTION OF A TRIAZOLINETHIONE DERIVATES

<p>(51) International classification: C07D 249/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 199 61 603.5</p> <p>(32) Date : 21/12/1999</p> <p>(33) Name of convention country : GERMANY</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>BAYER AKTIENGESELLSCHAFT</p> <p>Address of the Applicant:</p> <p>D-51368, LEVERKUSEN, GERMANY</p> <p>(72) Name of the Inventors :</p> <p>1. ACHIM HUPPERTS</p> <p>2. MICHAEL RUTHER</p> <p>3. MANFRED JAUTELAT</p>

(57) Abstract :



According to the invention the triazolinethione derivative of Formula (I) may be produced whereby: a) the Oxirane of Formula (II) is reacted with hydrazine hydrate in the presence of particular solvents, followed by introduction of hydrogen chloride, or extraction with aqueous hydrochloric acid, b) the obtained hydrazine hydrochloric derivative of formula (III) is treated with alkali metal hydroxides in the presence of water and further particular solvents, followed by respective reaction with formaldehyde and thiocyanate of formula (IV) X-SCN in the presence of particular solvents and finally, c) the triazolidine derivative of formula (V) is reacted with iron (III) chloride in the presence of aqueous hydrochloric acid.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00705/MUM A (22) Date of filing of Application: 30/05/2002  
(PCT/EP00/12324)

(54) Title of the invention: BIS (4-HYDROXYARYL) ALKANES

(51) International classification: C07C 39/12	(71) Name of the Applicant:
(30) Priority Data :	BAYER AKTIENGESELLSCHAFT
(31) Document No.: 199 61 566.7	Address of the Applicant:
(32) Date : 20/12/1999	D-51368, LEVERKUSEN, GERMANY
(33) Name of convention country : GERMANY	
(66) Filed U/s. 5(2) : NO.	(72) Name of the Inventors :
(61) Patent of addition to application No.: NIL	1. RAINER NEUMANN
(62) Filed on : N.A.	2. ROLF LANZE
(63) Divisional to Application No.: NIL	3. FRIEDER HEYDENREICH
(64) Filed on: N.A.	4. MICHAEL BODIGER
	5. MICHAEL PREIN

(57) Abstract : The invention relates to a method for separating Bis(4-hydroxyaryl) alkanes from adducts of Bis(4-hydroxyaryl) alkanes with aromatic hydroxy compounds. The crystallized, filter and purified Bis(4-hydroxyaryl)alkane/arylhydroxy adducts which are a result of the process are melt open under conditions which are gentle for the product and are separated from the aromatic hydroxy compounds by means of distillation and/or desorption.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00706/MUM A (22) Date of filing of Application: 30/05/2002  
(PCT/SE00/02513)

(54) Title of the invention: ANTENNA ARRANGEMENT AND METHOD FOR SIDE-LOBE SUPPRESSION

<p>(51) International classification: H01Q 1/28</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 9904718-5</p> <p>(32) Date : 22/12/1999</p> <p>(33) Name of convention country : SWEDEN</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>TELEFONAKTIEBOLAGET LM ERICSSON</b></p> <p>Address of the Applicant:</p> <p><b>S-126 25 STOCKHOLM, SWEDEN,</b></p> <p>(72) Name of the Inventors :</p> <p><b>1. OSTEN ERIKMATS</b> <b>2. JONNY ERIKSSON</b></p>

(57) Abstract : In an antenna system having an array of antenna elements (10, 10') and circuitry (111,14) for controlling the phase of each element an arrangement (113) is provided for correcting the phase setting of each element as a function of the position of each element within the array expressed in polar co-ordinates. The phase correction proportional to the sinusoid of the angular position of the element and proportional to an odd polynomial of radius having at least one term of third order or above. The resulting beam pattern includes low side-lobes in the lower hemisphere and gives rise to only limited and acceptable power loss on transmission. Furthermore, the implementation is rendered very simple, as the phase correction may be calculated element by element.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00707/MUM A (22) Date of filing of Application: 30/05/2002  
(PCT/US00/32999)

(54) Title of the invention: CONTINUOUS PRODUCTION OF SILICA-BASED MICROGELS

(51) International classification: C01B 33/143	(71) Name of the Applicant:
(30) Priority Data :	E. I. DU PONT DE NEMOURS AND COMPANY
(31) Document No.: 09/456,367	Address of the Applicant:
(32) Date : 08/12/1999	1007 MARKET STREET, WILMINGTON, DE 19898.
(33) Name of convention country : U.S.A.	
(66) Filed U/s. 5(2) : NO.	
(61) Patent of addition to application No.: NIL	(72) Name of the Inventors :
(62) Filed on : N.A.	(1) ROBERT HARVEY MOFFETT
(63) Divisional to Application No.: NIL	(2) WALTER JOHN SIMMONS
(64) Filed on: N.A.	

(57) Abstract : A continuous process is provided for preparing silica microgels using carbon dioxide as a gel initiator at a pressure of at least about 172 kPa (about 25 psig). Consistent performance of microgel can be produced with varying production rates.

Figure : NIL

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00708/MUM A (22) Date of filing of Application: 30/05/2002  
(PCT/US01/06206)

(54) Title of the invention: RAZOR BLADE TECHNOLOGY

<p>(51) International classification: B26B 21/60</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 09/515421</p> <p>(32) Date : 29/02/2000</p> <p>(33) Name of convention country : U.S.A.</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p><b>THE GILLETTE COMPANY</b></p> <p>Address of the Applicant:</p> <p><b>PRUDENTIAL TOWER BUILDING, BOSTON, MASSACHUSETTS 02199, UNITED STATES OF AMERICA.</b></p> <p>(72) Name of the Inventors :</p> <p>(1) NEVILLE SONNENBERG (2) ANDREW ZHUK (3) CHARLES WHITE (4) STEVEN HAHN (5) COLIN JOHN CLIPSTONE</p>

(57) Abstract : A razor blade including a substrate with a cutting edge defined by a sharpened tip and adjacent facets, a layer of hard coating on said cutting edge, an overcoat layer of a chromium containing material on the layer of hard carbon coating, and an outer layer of polytetrafluoroethylene coating over the overcoat layer.

Figure : 1

**Publication After 18 months**

The following Patent application have been published under Section 11A of the Patents (Amendment) Act, 2002

(21) Application No.: IN/PCT/2002/00709/MUM A (22) Date of filing of Application: 30/05/2002  
(PCT/AT00/00322)

(54) Title of the invention: METHOD FOR BIOLOGICAL EFFLUENT TREATMENT

<p>(51) International classification: C02F 3/12</p> <p>(30) Priority Data :</p> <p>(31) Document No.: 99890398.3</p> <p>(32) Date : 21/12/1999</p> <p>(33) Name of convention country : EPO</p> <p>(66) Filed U/s. 5(2) : NO.</p> <p>(61) Patent of addition to application No.: NIL</p> <p>(62) Filed on : N.A.</p> <p>(63) Divisional to Application No.: NIL</p> <p>(64) Filed on: N.A.</p>	<p>(71) Name of the Applicant:</p> <p>KURT INGERLE</p> <p>Address of the Applicant:</p> <p>JOSEF ABENTUNGWEG 37, A-6091 GOTZENS, AUSTRIA</p> <p>(72) Name of the Inventors :</p> <p>(1) KURT INGERLE</p>
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(57) Abstract : The invention relates to a method of biological treatment of wastewater by means of activated sludge, wherein the wastewater is introduced first into an aerated activated sludge tank ( B tank) and then by turns into one of several sedimentation and recirculation tanks (SU tanks), which are permanently linked with said B tank and in which a separation of activated sludge and clear water occurs, and after separation activated sludge is returned to the B tank and clear waters is drawn off; several times a day, in the SU tanks an operating cycle proceeds comprising a stirring phase (R phase), a pre-setting phase (V phase) and a discharge phase (A phase). In the R phase the activated sludge is remixed with the water, in the V phase the activated sludge settles down and in the A phase clear water is drawn off (single basin technique). The cycles in the SU tanks are phase displaced to each other and the A phase are adjusted, so only in the A phases the SU tanks are flown through, an approximately constant water level is present; thus causing an outflow from the purification plant which corresponds to its inflow (throughflow principle). Before the R phase settled and thickened activated sludge is reintroduced from the SU tank into the B tank.

Figure : 1

**Application No. IN/PCT/2002/449/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Mimetic Peptides For Epitope Of Apolipoprotein B-100, Concatemer And Modified Peptides Thereof, And The Vaccine Composition Comprising The Same.****(51)International classification:**A 61 K 31/00; A 61 P 3/04; A 61 K 31/4468**(30)Priority Data:****(31)Document No. :**PCT/KR01/01492;2001-0054003;2000/0052055**(32)Date :**04/Sep/2001;04/Sep/2001;04/Sep/2000**(33)Country :**Korea;Korea;Korea**(71)Name of the Applicant.:**

KIM, HYO-JOON

**Address of the Applicant.:**3-1001, SUNKYUNG APT, SUNGPO-DONG, 425-040  
ANSAN  
Korea**(72)Name of the Inventor.:**

JOUNG, HAE-JUNG

**Abstract :**

The present invention relates to a vaccine composition for treatment of obesity. More particularly, the present invention is directed to a mimetic peptide for epitope of apolipoprotein B-100, concatemer and modified peptide thereof, and the vaccine composition comprising the same.

**Application No. IN/PCT/2002/450/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Power Controlling Apparatus And Method In Mobile Communication System.****(51)International classification:**H 04 B 7/204; H 04 J 13/00**(30)Priority Data:****(31)Document No. :**2000-728;1999-

50768;PCT/KR00/01311

**(32)Date :**07/Jun/2000;16/Nov/1999;16/Nov/2000**(33)Country :**Republic of Korea;Republic of Korea;Korea**(71)Name of the Applicant.:**

SAMSUNG ELECTRONICS CO. LTD.

**Address of the Applicant.:**416, MAETAN 3-DONG, PALDAL-GU, SUWON-SHI,  
KYUNGKI-DO  
Republic of Korea**(72)Name of the Inventor.:**

PARK, JIN-SOO

KIM,YOUN-SUN

AHN, JAE-MIN

YOON, SOON-YOUNG

KANG, HEE-WON

**Abstract :**

A power controlling apparatus and method in a mobile communication system. A receiver in a mobile station multiplexes the frame reception result indicator bits for at least two traffic channels received from a transmitter in a base station, inserts the multiplexed frame reception result indicator bits in a pilot signal bit by bit, and transmits the reverse frame. Then, the transmitter extracts the pilot signal from the reverse frame, demultiplexes the frame reception result indicator bits, and performs a power control on the traffic channels based on the values of the frame reception result indicator bits.



**Application No. IN/PCT/2002/451/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :High Efficiency Retroviral Vector Whhich Contains Genetically Engineered Cellular Non-Coding Sequence Harboring Splicing Acceptor.****(51)International classification:**C 12 N 7/01; C 12 N 1/21**(30)Priority Data:****(31)Document No. :**PCT/KR01/01515;2000-53613**(32)Date :**08/Sep/2000;08/Sep/2000**(33)Country :**Korea;Korea**(71)Name of the Applicant:**

VIROMED LIMITED

VIROMED LIMITED

**Address of the Applicant:**

TECHNOLOGY BUSINESS INCUBATOR, INSTITUTE FOR MOLECULAR BIOLOGY.

Korea

GENETICS BLDG., 105, SEOUL NATIONAL UNIVERSITY,  
SAN 56-1, SHILLIM-DONG, KWANAK-KU, SEOUL 151-742  
Korea**(72)Name of the Inventor.:**

SUN-YOUNG KIM

YU, SEUNG-SHIN

LEE JUN-TAE

**Abstract :**

The present invention provides a safe and highly efficient retroviral vector derived from the MLV (murine leukemia virus) for use in gene therapy, which lacks viral coding sequences but contains the genetically engineered EF 1 alpha non-coding sequence harboring splice acceptor.

**Application No. IN/PCT/2002/452/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Sizing Catheter For Measuring Cardiovascular Structurers.****(51)International classification:**A 61 B 5/00**(30)Priority Data:****(31)Document No. :**PCT/US00/42278;09/450,240**(32)Date :**28/Nov/2000;29/Nov/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant:**

AGA MEDICAL CORPORATION

**Address of the Applicant:**682 MENDELSSON AVENUE, GOLDEN VALLEY MN  
55427

United States of America

**(72)Name of the Inventor.:**

AFREMOV, MICHAEL, R.

AMPLATZ, KURT

**Abstract :**

A sizing catheter (10) and method of measuring a preselected internal within a patient to provide a rapid and precise determination of first and second stretched diameters of the preselected internal opening. The sizing catheter (10) includes a dilation balloon (26) constructed of a thin expandable plastic, which is inflatable and is utilized to determine a size of the preselected opening. The dilation balloon (26) is affixed to the tubular shaft (12) proximate the distal end (16) of the tubular shaft (12). The dilation balloon (26) is inflated to an inflation threshold wherein the dilation balloon (26) deforms about the preselected opening and the size of the dilation balloon (26) adjacent the preselected opening approximates the first stretched diameter of the preselected opening. The sizing catheter (10) and method may be utilized to determine an appropriate sized device to be positioned within the preselected opening.

**Application No. IN/PCT/2002/453/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :A Method For Aggregating Fine-Particle Coal By Using The Styrene-Butadiene Latex.****(51)International classification:**C10L 9/10; C 10 L 5/00**(30)Priority Data:****(31)Document No. :**PCT/KR00/00742; 1999-49685**(32)Date :**01/May/2002; 10/Nov/1999**(33)Country :**Korea; Korea**(71)Name of the Applicant.:**

KOREA KUMHO PETROCHEMICAL CO., LTD.

**Address of the Applicant.:**70, SEORIN-DONG, CHONGNO-KU, SEOUL 110-110  
Korea**(72)Name of the Inventor.:**

KIM, YOUNG-SANG

JO, KYO-DONG

**Abstract :**

This invention relates to a method for aggregating fine-particle coal, more specifically, by using the styrene-butadiene latex as a binder. Since the styrene-butadiene latex which is water-based emulsion can be easily mixed with coal and used to bind inorganic materials, this invention provides a method for decreasing the amounts of a binder used, for lowering aggregation temperature into room temperature, and for aggregating watted coal without any further dry process in the aggregation process of fine-particle coal.

**Application No. IN/PCT/2002/454/DEL A****(22)Date of filing of Application :01/May/2002****(54)Title of the invention :Method Of Preparing Clarithromycin.****(51)International classification:**C.07 H 17/08**(30)Priority Data:****(31)Document No. :**PCT/KR00/01349; 1999-52371**(32)Date :**23/Nov/2000; 24/Nov/1999**(33)Country :**United States of America; Korea**(71)Name of the Applicant.:**

HANMI PHARM. CO., LTD.

**Address of the Applicant.:**#893-5, HAJEO-RI, PALTAN-MYEON, HWASEONG-GUN,  
KYUNGKI-DO 445-910  
Korea**(72)Name of the Inventor.:**

SUH, KWEE-HYUN

SEONG, MI-RA

KIM, NAM-DU

LEE, GWAN-SUN

**Abstract :**

Clarithromycin can be easily prepared by reacting erythromycin A N-oxide with a methylating agent to obtain 6-O-methylethromycin A N-oxide; and treating 6-O-methylethromycin A N-oxide obtained above with a reducing agent in a high yield.

Application No. IN/PCT/2002/455/DEL A

(22)Date of filing of Application :01/May/2002

(54)Title of the invention :Method Of Preparing Highly Pure Cefpoxime Proxetil.

(51)International classification:C 07 D 501/34

(30)Priority Data:

(31)Document No. :PCT/JP00/04561;1999-49174

(32)Date :07/Nov/2000;08/Nov/1999

(33)Country :Korea;Korea

(71)Name of the Applicant:

HANMI PHARM. CO., LTD.

Address of the Applicant:

#893-5, HAJEO-RI, PALTAN-MYEON, HWASEONG-GUN,

KYUNGKI-DO 445-910

Korea

(72)Name of the Inventor.:

LEE, GWAN-SUN

CHANG, YOUNG-KIL

LEE, JAE-HEON

PARK, CHUL-HYUN

PARK, GHA-SEUNG

JUNG, KEUM-SHIN

**Abstract :**

Highly pure cefpodoxime proxetil can be prepared by a simple process comprising the step of reacting a cefpodoxime salt with 1-iodoethylisopropylcarbonate in an organic solvent in the presence of a crown ether.

Application No. IN/PCT/2002/456/DEL A

(22)Date of filing of Application :01/May/2002

(54)Title of the invention :Mercury Lamp, Lamp Unit, Method For Producing Mercury Lamp And Electric Lamp.

(51)International classification:H 01 J 9/44; H 01 J 61/20

(30)Priority Data:

(31)Document No. :11-295043;PCT/JPO0/04561

(32)Date :18/Oct/1999;06/Jul/2000

(33)Country :JAPAN;JAPAN

(71)Name of the Applicant.:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Address of the Applicant.:

1006, OAZA KADOMA, KADOMA-SHI, OSAKA 571-8501

JAPAN

(72)Name of the Inventor.:

HORIUCHI, MAKOTO

KAI, MAKOTO

TAKEDA, MAMORU

ICHIBAKASE, TSUYOSHI

SEKI, TOMOYUKI

KITAHARA, YOSHIKI

MORI, TOSHIO

TAKEUCHI, YASUO

**Abstract :**

The present invention provides a high-pressure discharge lamp 100 including a luminous bulb 10 enclosing at least a rare gas and halogen in the bulb and made substantially of quartz glass; and an electrode 12 made substantially of tungsten and disposed in the luminous bulb. The mole number of the halogen is larger than the sum of the total mole number of metal elements (except the tungsten element and the mercury element) that have the property of bonding to the halogen and are present in the luminous bulb 10 and the mole number of the tungsten present in the luminous bulb by evaporation from the electrode 12 during lamp operation.

**Application No. IN/PCT/2002/457/DEL A****(22) Date of filing of Application :01/May/2002****(54) Title of the invention :Product Order Method And System.****(51) International classification:**H 4 Q7/22; G 06 F 17/60**(30) Priority Data:****(31) Document No. :**PCT/CH99/00541**(32) Date :**16/Nov/1999**(33) Country :**Switzerland**(71) Name of the Applicant.:**

SWISSCOM MOBILE AG.

**Address of the Applicant.:**

SCHWARZTORSTRASSE 61, CH-3050 BERN

Switzerland

**(72) Name of the Inventor.:**

RITTER RUDOLF

LAUPER ERIC

**Abstract :**

Method with which a mobile user in a mobile network (4) can order products (1), with the following steps: recording an image corresponding to the product (1) to be ordered, linking the image data with a personal identification of the mobile user, transmitting the linked order message (31) to a server (5) in said mobile radio network (4), comparing said image data with images stored in a product database (50), each of said image in said database (50) being linked with an identification of the product provider (8), sending a message (52) containing an identification of the ordered product (1) and of the ordering mobile user to said product provider (8).

**Application No. IN/PCT/2002/458/DEL A****(22) Date of filing of Application :02/May/2002****(54) Title of the invention :Method For Obtaining Nucleic Acids From An Environment Sample, Resulting Nucleic Acids And Use In Synthesis Of Novel compounds.****(51) International classification:**C 12 P 19/34; C 12 N 9/00**(30) Priority Data:****(31) Document No. :**PCT/FR00/03311; 99/15032; 60/209,800**(32) Date :**27/Nov/2000; 29/Nov/1999; 07/Jun/2000**(33) Country :**France; France; United States of America**(71) Name of the Applicant.:**

AVENTIS PHARMA S.A.

**Address of the Applicant.:**

20 AVENUE RAYMOND-ARON, F-92160 ANTONY

France

**(72) Name of the Inventor.:**

PASCALE JEANIN

JEAN-LUC PERNODET

PASCAL SIMONET

SOPHIE COURTOIS

FRANCOIS FRANCOU

ALAIN RAYNAL

GUENNADI SEZONOV

KARINE TUPHILE

ASA FROSTEGARD

MICHEL GUERINEAU

MARIA BALL

CARMELA CAPPELLANO

**Abstract :**

Process for preparing a collection of nucleic acids from a soil sample containing organisms, the said process comprising the following sequence of steps: (a) obtaining microparticles by grinding a pre-dried or pre-desiccated soil sample, followed by suspension of the microparticles in a liquid buffer medium; and (b) extracting the nucleic acids present in the microparticles; and (c) passage of the solution containing the nucleic acids over a molecular sieve, followed by recovery of the elution fractions enriched in nucleic acids and passage of the elution fractions enriched in nucleic acids over an anion-exchange chromatography support, followed by recovery of the elution fractions containing the purified nucleic acids.

**Application No. IN/PCT/2002/459/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Casting Steel Strip.****(51)International classification:**B 22 D 11/06**(30)Priority Data:****(31)Document No. :**PCT/AU00/01478;PQ 4362**(32)Date :**30/Nov/2000;01/Dec/1999**(33)Country :**Australia;Australia**(71)Name of the Applicant.:**

CASTRIP, LLC

**Address of the Applicant.:**C/O NUCOR, 2100 REXFORD ROAD, CHARLOTTE, N.C.  
28211

United States of America

**(72)Name of the Inventor.:**

GLUTZ, ANDREW

MINTER, GRAHAM

**Abstract :**

A TWIN ROLL CASTER(11) PRODUCES THIN STEEL STRIP (12) WHICH PASSES THROUGH A FIRST ENCLOSURE (37) TO A PINCH ROLL STAND (14) INCLUDING PINCH ROLL (50) THROUGH WHICH THE STRIP PASSES INTO A SECOND ENCLOSURE (61). THE STRIP PASSES HORIZONATALLY THROUGH ENCLOSURE (1) TO AN IN-LINE HOT ROLLING MILL (16) WHICH CLOSES THE EXIT END OF ENCLOSURE (61) AND HOT ROLLS THE STRIP AS IT EXIS THAT ENCLOSURE. ENCLOSURES (37) AND (61) ARE SEALED AGAINST INGRESS OF ATMOSPHERIC AIR AND BOTH MAINTAIN OXYGEN LEVELS LESS THAN THE SURROUNDING ATMOSPHERE TO REDUCE FORMATION OF SCALE ON THE STRIP. THE SECOND CHAMBER (61) IS FITTED WITH WAER SPRAY NOZZLES (67,68) OPERABLE TO SPRAY FINE MIST OF WATER DROPLETS ONTO THE UPPER FACE OF THE STRIP AS IT PASSES THROUGH THE ENCLOSURE THEREBY TO GENERATE STEAM PRODUCING A SUPERATMOSPHERIC PRESSURE WITHIN THE ENCLOSURE PREVENTING INGRESS OF ATMOSPHERIC AIR.

**Application No. IN/PCT/2002/460/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Method And System For Advertising.****(51)International classification:**G 06 F 17/60**(30)Priority Data:****(31)Document No. :**PCT/AU00/01273;PQ 3632**(32)Date :**20/Oct/2000;25/Oct/1999**(33)Country :**Australia;Australia**(71)Name of the Applicant.:**

SILVERBROOK RESEARCH PTY LTD.

**Address of the Applicant.:**393 DARLING STREET, BALMAIN, NSW 2041  
Australia**(72)Name of the Inventor.:**

SILVERBROOK, KIA

LAPSTUN, PAUYL

**Abstract :**

The invention concerns a method and system for producing a document containing user requested information, iden-tifying an advertising space, outside an area of the document to bo occupied by the information and printing the document with advertising material in the space.

Application No. IN/PCT/2002/461/DEL A

(22)Date of filing of Application :02/May/2002

(54)Title of the invention :Method And System For The Copying Of Documents.

(51)International classification:G 06 K 19/10  
 (30)Priority Data:  
 (31)Document No. :PCT/AU00/01279;PQ 3632  
 (32)Date :20/Oct/2000;25/Oct/1999  
 (33)Country :Australia;Australia

(71)Name of the Applicant.:  
 SILVERBROOK RESEARCH PTY LTD.  
 Address of the Applicant.:  
 393 DARLING STREET, BALMAIN, NSW 2041  
 Australia

(72)Name of the Inventor.:  
 LAPSTUN, PAUL  
 SILVERBROOK, KIA

**Abstract :**

The invention concerns a system and method enabling the copying of documents. It has specific application to the archiving and retrieval, and the scanning and reproduction, of documents which are or which may be capable of interacting with a computer system or network. Such a document has coded data printed on it allowing it to interact with the computer system or network by use of a sensing device operated by a user. Specifically, the method involves scanning a document which may contain both document information and coded data indicative of an identity of the document, forming a digital image of the document, and detecting, if the document contains said coded data indicative of the identity of the document, the coded data. If the document does contain such coded data, stored data representing the content of the document is accessed, and, depending on the operating instructions, either a copy of the document is printed, together with coded data indicative of an identity of the copy being printed on the copy, or data representing a copy of the document is stored, the stored data including a unique identifier for said copy. The invention can be employed for the printing of documents, the archiving and retrieval of documents, and the scanning and reproduction of documents. In copying documents, it can be used to produce pages of far higher quality than those produced by conventional photocopying means, often irrespective of the physical quality of the page to be copied.

Application No. IN/PCT/2002/462/DEL A

(22)Date of filing of Application :02/May/2002

(54)Title of the invention :Method And System For Graphic Design.

(51)International classification:G 06 F 17/60; G 06 K 9/18  
 (30)Priority Data:  
 (31)Document No. :PCT/AU00/01282;PQ 3632  
 (32)Date :20/Oct/2000;25/Oct/1999  
 (33)Country :Australia;Australia

(71)Name of the Applicant.:  
 SILVERBROOK RESEARCH PTY LTD.  
 Address of the Applicant.:  
 393 DARLING STREET, BALMAIN, NSW 2041  
 Australia

(72)Name of the Inventor.:  
 SILVERBROOK, KIA  
 LAPSTUN, PAUL  
 LAPSTUN, JACQUELINE, ANNE

**Abstract :**

The invention concerns a system and method for enabling graphic design by means of a computer system. Employing the invention involves the use of one or more forms capable of interacting with a computer system or network, each form comprising sheet material such as paper which has coded data printed on it and which allows it to interact with the computer system by use of a sensing device operated by a user. Specifically, the method includes the steps of printing on demand, on a surface, a form containing information relating to a graphic design activity, and at the same time as printing said information, printing on the surface coded data indicative of an identity of the form and of at least one reference point of the form, receiving, in a computer system, indicating data from a sensing device regarding the identity of the form and a position of the sensing device relative to the form, the sensing device, when placed in an operative position relative to the form sensing the indicating data using at least some of the coded data, and identifying, in the computer system and from the indicating data, at least one parameter relating to the graphic design activity. The invention can be employed by a user to create and edit graphic images, either by means of a single computer, or by way of operation over a network.

**Application No. IN/PCT/2002/463/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Method And System For Route Planning .****(51)International classification:**G 06 F 17/60**(30)Priority Data:****(31)Document No. :**PCT/AU00/01288;PQ 3632**(32)Date :**20/Oct/2000;25/Oct/1999**(33)Country :**Australia;Australia**(71)Name of the Applicant.:**

SILVERBROOK RESEARCH PTY LTD.

**Address of the Applicant.:**

393 DARLING STREET, BALMAIN, NSW 2041

Australia

**(72)Name of the Inventor.:**

SILVERBROOK, KIA

LAPSTUN, PAUL

LAPSTUN, JACQUELINE, ANNE

**Abstract :**

The present invention provides method of enabling a user to plan a route using a computer system, the method including the steps of: printing a map of a geographic area, the map including coded data indicative of an identity of the map and of a plurality of reference points of the map; receiving, in the computer system, indicating data from a sensing device operated by the user, the indicating data regarding the identity of the map and a position of the sensing device relative to the map, the sensing device, when placed in an operative position relative to the map, sensing the indicating data using at least some of the coded data, identifying, in the computer system and from the indicating data, at least one geographic location, and planning the route, in the computer system, using the at least one geographic location as at least one of: the route starting point, a route way-point, and the route destination.

**Application No. IN/PCT/2002/464/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Category Buttons On Interactive Paper.****(51)International classification:**G 06 F 17/60; G 06 K 9/18**(30)Priority Data:****(31)Document No. :**PCT/AU00/01289;PQ 4912;PQ 4483;PQ 3632**(32)Date :**

20/Oct/2000;24/Dec/1999;06/Dec/1999;25/Oct/1999

**(33)Country :**Australia;Australia;Australia;Australia**(71)Name of the Applicant.:**

SILVERBROOK RESEARCH PTY LTD

**Address of the Applicant.:**

393 DARLING STREET, BALMAIN, NSW 2041

Australia

**(72)Name of the Inventor.:**

SILVERBROOK, KIA

LAPSTUN, PAUL

**Abstract :**

The present invention provides a system for providing printed information to a user that is obtained from a data base a first party, the system including a user printer module for interfacing the user with the data base, the module being responsive to the user requesting first information from the data base for obtaining the first information and generating a first printed media that displays to the user the first information together with second information, identifier means for applying an identifier to the first printed media such that designation of the second information by the user corresponds to a designation of the identifier and results in the generation of a second printed media that displays to the user third information, and account means for applying a financial debit from the first party against a second party from whom the third information is derived.

**Application No. IN/PCT/2002/465/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Method And System For Providing Insurance Services.****(51)International classification:**G 06 F 17/60; G 06 K 9/18**(30)Priority Data:****(31)Document No. :**PCT/AU00/01274;PQ 4912;PQ 3632**(32)Date :**20 Oct/2000;24/Dec/1999;25/Oct/1999**(33)Country :**Australia;Australia;Australia**(71)Name of the Applicant.:**

SILVERBROOK RESEARCH PTY LTD.

**Address of the Applicant.:**

393 DARLING STREET, BALMAIN, NSW 2041

Australia

**(72)Name of the Inventor.:**

SILVERBROOK, KIA

LAPSTUN, JACQUELINE, ANNE

**Abstract :**

The invention concerns a method and system for providing insurance. Employing the invention involves the use of one or more forms capable of interacting with a computer system or network, each form comprising sheet material such as paper which has coded data printed on it and which allows it to interact with the computer system by use of a sensing device operated by a user. The invention can be employed by an insurance provider to allow it to deal with a customer in offering a broad range of services including providing the facility to obtain information about insurance products, insurance quotes, and to make insurance claims and payments, and to enter into new policies with customers.

**Application No. IN/PCT/2002/466/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :A Method And Composition For Treating Prostate Cancer.****(51)International classification:**A 61 K 38/16; 38/48; 33/06;

A 61 P 35/00

**(30)Priority Data:****(31)Document No. :**PCT/US00/41562;09/428,375**(32)Date :**25/Oct/2000;28/Oct/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

IMMUNOLYTICS INC.

**Address of the Applicant.:**

7400 DULUTH STREET, MINNEAPOLIS, MN 55427

United States of America

**(72)Name of the Inventor.:**

GOKCEN, MUHARREM

**Abstract :**

A method of treating prostate cancer in a living mammal includes local administration of a composition that includes a therapeutically effective concentration of collagenase. In one embodiment, a method of treating prostate cancer in a living mammal includes local administration of a composition that includes a therapeutically effective concentration of collagenase and at least one of a glycosidase, a protease, a nuclease, a lipase, an esterase, a plasminogen activator, a streptokinase and combinations thereof. Preferably a glycosidase, such as, for example, hyaluronidase, is administered. Compositions used in methods for treating prostate cancer can also include or be administered with calcium ions, a nonionic surfactant, such as, for example, Triton® X-100, and an antibiotic, such as, for example, gentamicin. Another method of treating prostate cancer in a living mammal includes activating PSA in vivo by, for example, locally administering calcium ions.



**Application No. IN/PCT/2002/467/DEL A****(22)Date of filing of Application :02/May/2002****(54)Title of the invention :Medication Delivery Apparatus And Methods For Intravenous Infusions.****(51)International classification:**A 61 M 5/148; A 61 J 1/00**(30)Priority Data:****(31)Document No. :**

09/434,972;09/434,974;09/434,975;PCT/US00/41860

**(32)Date :**

05/Nov/1999;05/Nov/1999;05/Nov/1999;02/Nov/2000

**(33)Country :**United States of America;United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

TANDEM MEDICAL INC.

**Address of the Applicant.:**15910 BERNARDO CENTER DRIVE, SAN DIEGO,  
CALIFORNIA 92127

United States of America

**(72)Name of the Inventor.:**

KLEEMAN, MICHAEL W.

LIBERMAN, MARC S.

BRENGLE DAVID R.

**Abstract :**

The invention provides a medication delivery system that is preconfigured to administer an infusion therapy by a mechanical pump mechanism upon user activation. The configuration of a multi-chambered flexible bag, each chamber being filled with therapeutic liquid(s), determines the sequence and amount of each liquid to be delivered when the bag is progressively compressed by a constant force spring mechanism in the pump. The spring mechanism is charged by the user manually cocking two covers of the pump housing. A mechanical timer is coupled to the constant force spring to limit the maximum rate at which the spring compresses the flexible bag. In one embodiment of the invention, the medication delivery system further includes a manifold assembly and an administration set. The manifold assembly is configured with internal conduits and valves to direct output from each chamber of the bag to an output port in the manifold, and thence into the administration set. In additional embodiments, there are provided structures in the container to alleviate pressure drop during the application of pressure to the container.

**Application No. IN/PCT/2002/468/DEL A****(22)Date of filing of Application :03/May/2002****(54)Title of the invention :Sleep State Transitioning.****(51)International classification:**G 06 F 1/32**(30)Priority Data:****(31)Document No. :**PCT/US00/41489;09/434,973**(32)Date :**23/Oct/2000;05/Nov/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

INTEL CORPORATION

**Address of the Applicant.:**2200 MISSION COLLEGE BOULEVARD, SANTA CLARA,  
CALIFORNIA 95052

United States of America

**(72)Name of the Inventor.:**

SATCHIT JAIN

SUNG-SOO CHO

**Abstract :**

In a system comprising a processor, a first memory, a first memory controller, and a second memory, a method for transitioning between an awake state and a sleep state comprising: detecting a trigger to transition from the sleep state to the awake state;

Application No. IN/PCT/2002/469/DEL A

(22)Date of filing of Application :06/May/2002

**(54)Title of the invention :Method For Continuously Preparing A Stable Water-Fuel Emulsion And Device Therefor.**

(51)International classification:C10L 1/32; B 01 F 13/10; 3/08

(30)Priority Data:

(31)Document No. :PCT/FR00/03162;99/14269

(32)Date :13/Nov/2000;15/Nov/1999

(33)Country :France;France

(71)Name of the Applicant.:

ELF ANTAR FRANCE

Address of the Applicant.:

24, COURS MICHELET, F-92800 PUTEAUX  
France

(72)Name of the Inventor.:

SCHULZ, PHILIPPE

TANGUY, PHILIPPE

BROCARD, BENJAMIN

MAGNIN, CESAR

**Abstract :**

The invention concerns a method for continuously preparing a water-in-oil emulsified fuel to mix additives, water and a hydrocarbon phase and optionally in recycling the resulting mixture. The method comprises two steps: the first consists in providing at least a phase A consisting of the additives required for stabilising the emulsion and the water in the hydrocarbon phase for a homogeneous spatial distribution of water droplets less than 200micrometers in size; and the second phase consists in reducing the size of the droplets by dispersion using an emulsifying device having a peripheral moving speed of at least 10 m/s, preferably higher than 25 m/s and enabling a retention time in the emulsifying device between 1 second and 80 seconds, preferably between 2 and 30 seconds.

Application No. IN/PCT/2002/470/DEL A

(22)Date of filing of Application :06/May/2002

**(54)Title of the invention :Method Of Eliminating Malodours From Gases.**

(51)International classification:C 08 F 6/00; 14/06; B 01 D 53/46

(30)Priority Data:

(31)Document No. :09/448/785;PCT/GB00/03340

(32)Date :24/Nov/1999;30/Aug/2000

(33)Country :United States of America;Great Britain

(71)Name of the Applicant.:

OCCIDENTAL CHEMICAL CORPORATION

Address of the Applicant.:

OCCIDENTAL TOWER, 5005 LBJ FREEWAY, DALLAS, TX  
75244-6119

United States of America

(72)Name of the Inventor.:

BRANDT, DANIEL J.

**Abstract :**

Disclosed is a method of eliminating the odour from a malodorous gas, where the odour is due to the presence of a C10 to C18 fatty acid in the gas. An aqueous solution containing at least a stoichiometric amount of a base that reacts with said C10 to C18 fatty acid to produce a salt is sprayed into the gas.

Application No. IN/PCT/2002/471/DEL A

(22)Date of filing of Application :06/May/2002

(54)Title of the invention :Removal Of Meltable Solids From Mixtures With Other Solids.

(51)International classification:C 01 B 25/00; B 01 D 9/00

(30)Priority Data:

(31)Document No. :09/443, 589;PCT/GB00/04331

(32)Date :19/Nov/1999; 10/Nov/2000

(33)Country :United States of America;Great Britain

(71)Name of the Applicant.:

GLENN SPRINGS HOLDINGS, INC.

Address of the Applicant.:

300 EAST MAIN STREET, LEXINTON, KY 40507

United States of America

(72)Name of the Inventor.:

STURDIVAN, CHARLES, N.

LUXBACHER GEORGE, WALTER

SARAN, MOHAN SINGH

PRICE KENNETH RABURN

**Abstract :**

A separator for separating a meltable solid from a mixture with other solids has a tank for holding a fluid; a container at least partially inside the tank, made at least in part of a screen through which the fluid can pass and melted solids can flow, but through which the unmeltable solid material will not flow; and a heater for heating the fluid above the melting point of the meltable solids. In a method of separating a meltable solid from a mixture with other solids the mixture of solids is placed in the container of the separator and the fluid is heated to a temperature above the melting point of the meltable solid, whereby the meltable solid flows through the screen out of the container, while the other solids remain within the container.

Application No. IN/PCT/2002/472/DEL A

(22)Date of filing of Application :06/May/2002

(54)Title of the invention :Animal Collagens And Gelatins.

(51)International classification:C 07 K 14/78; C 12 N 15/12

(30)Priority Data:

(31)Document No. :PCT/US00/30792

(32)Date : 10/Nov/2000

(33)Country :UNITED STATES OF AMERICA

(71)Name of the Applicant.:

FIBROGEN INC

Address of the Applicant.:

225 GATEWAY BOULEVARD SOUTH SAN FRANCISCO CA 94080

UNITED STATES OF AMERICA

(72)Name of the Inventor.:

NEFF, THOMAS B.

BELL, MARCUM P.

POLAREK JAMES W.

SEELEY, TODD W.

**Abstract :**

The present invention relates to vaccines comprising recombinant gelatin, to methods of producing and using such vaccines, and to vaccination kits.

**Application No. IN/PCT/2002/473/DEL A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Recombinant Gelatin In Vaccines.****(51)International classification:**C 12 N 15/12; A 61 K 9/00**(30)Priority Data:****(31)Document No. :**PCT/US00/30843;60/204,437;60/165,114**(32)Date :**10/Nov/2000;15/May/2000;12/Nov/1999**(33)Country :**United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

FIBROGEN, INC.

**Address of the Applicant.:**225 GATEWAY BOULEVAD, SOUTH SAN FRANCISCO, CA  
94080

United States of America

**(72)Name of the Inventor.:**

CHANG, ROBERT, C.

KIVIRIKKO KARI, I.

NEFF, THOMAS B.

OLSEN DAVID, R

POLAREK JAMES W.

**Abstract :**

The present invention relates to vaccines comprising recombinant gelatin, to methods of producing and using such vaccines, and to vaccination kits.

**Application No. IN/PCT/2002/474/DEL A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Recombinant Gelatins.****(51)International classification:**C 12 N 15/12**(30)Priority Data:****(31)Document No. :**60/165,114;PCT/US00/30791;60/204,437**(32)Date :**12/Nov/1999;10/Nov/2000;15/May/2000**(33)Country :**United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

FIBROGEN, INC.

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**(72)Name of the Inventor.:**

CHANG, ROBERT, C.

KIVIRIKKO, KARI, L.

NEFF, THOMAS, B.

OLSEN DAVID, R

POLAREK JAMES W.

**Abstract :**

The present invention relates to recombinant gelatins and compositions thereof, and methods of producing and using the same.

**Application No. IN/PCT/2002/475/DEL A****(22)Date of filing of Application :06/May/2002****(54)Title of the invention :Apparatus And Method For Determining Natural Frequencies Of Brush Seals.****(51)International classification:**F 16 J 15/32; G 01 M 7/06;  
G 01 M 13/00**(30)Priority Data:****(31)Document No. :**PCT/US01/28864;09/672, 486**(32)Date :**14/Sep/2001;29/Sep/2000**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

GENERAL ELECTRIC COMPANY

**Address of the Applicant.:**

ONE RIVER ROAD, SCHENECTADY, NEW YORK 12345

United States of America

**(72)Name of the Inventor.:**

AKSIT MAHMUT FARUK

DEMIROGLU MEHMET (NMN)

SARSHAR HAMID REZA

DINC OSMAN SAIM

**Abstract :**

brush seal segment (24) is mounted within a pressure vessel (10) and against an arcuate surface (44) of an element to provide a seal between regions on opposite sides of the seal at different pressures. By vibrating the vessel through a range of frequencies, natural frequencies of the brush seal under pressure loading can be ascertained. Additionally, by adjusting interference between the arcuate surface and the bristle tips, natural frequencies of the brush seal under various interference loadings can likewise be ascertained. The pressure vessel has mounts (50) for attaching the vessel to a shaker table to facilitate vibrating the vessel through the range of frequencies.

**Application No. IN/PCT/2002/476/DEL A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Alignment Member For Delivering A Non-Symmetric Device With A Predefined Orientation.****(51)International classification:**F21W 131/00**(30)Priority Data:****(31)Document No. :**09/572,649;PCT/US01/15681**(32)Date :**17/May/2000;16/May/2001**(33)Country :**UNITED STATES OF AMERICA;UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

AGA MEDICAL CORPORATION

**Address of the Applicant.:**682 MENDELSSOHN AVENUE, GOLDEN VALLEY, MN  
55427,

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

AMPLATZ, KURT

AFREMOV, MICHAEL

**Abstract :**

A device and method for delivering an object within a patient, wherein the object is delivered in a preferred orientation relative to the delivery site of the patient. The delivery device has an alignment member that allows the object to be delivered intravascularly to the delivery site of the patient, wherein the object is delivered in a pre-determined orientation. The object may, for example, be non-symmetric or include a configuration that requires delivery to the site in only one suitable orientation relative to the delivery site. Such objects may be used, for example, to treat certain defects or injuries in vessels or organs within a patient's body.

Application No. IN/PCT/2002/477/DEL A

(22)Date of filing of Application :07/May/2002

**(54)Title of the invention :Forced Coaxially Ventilated Two Stroke Power Plant.****(51)International classification:**F 02 B 33/22; F 02 B 25/02**(30)Priority Data:****(31)Document No. :**

PCT/US00/30978;09/561,494;09/454,773;60/164,252

**(32)Date :**

08/Nov/2000;28/Apr/2000;03/Dec/1999;08/Nov/1999

**(33)Country :**United States of America;United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

KLEIN, JEFFREY F.

**Address of the Applicant.:**

4652 WILKENS AVENUE, BALTIMORE, MD 21229

United States of America

**(72)Name of the Inventor.:**

KLEIN, JEFFREY, F.

**Abstract :**

An internal combustion engine having a power cylinder, whereby the power, ventilation (comprising simultaneous intake and exhaust), and compression events within the power cylinder completely define the cycle of the engine, with induction in the induction cylinder being an auxiliary and incidental function to the cycle within the power cylinder, such that engine cooling and fuel efficiency are improved over prior art internal combustion engines. Interconnecting the power cylinder and the induction cylinder is a transfer chamber which opens into the top of the power cylinder, which chamber in turn is equipped with a one way, pressure responsive transfer valve for allowing air to flow into the power cylinder when pressure therein falls below the pressure in the induction cylinder. An exhaust port is likewise positioned near the bottom of the power cylinder. With the exhaust port thus positioned just above the bottom of the stroke of the power cylinder, and with the inlet valve located at the opposite end of the cylinder, fresh air flows in the axial direction of the cylinder towards the exhaust port, cooling the surfaces of the cylinder and the piston as it flows. As the piston closes the exhaust port during its up stroke, the pressure within the power cylinder immediately increases to more than that of the transfer chamber, thus closing the transfer valve and trapping the air which will be used for the next combustion event. A pressure responsive air intake valve is also disclosed for use in the internal combustion engine described above, and this comprises a fixed valve seat and a sliding valve member. The valve seat housing may be threaded into an opening in the head of a working chamber on an internal combustion engine. The sliding valve member is configured to reciprocate through the hollow interior of the housing in response to differential pressures on either side of the valve.

**Application No. IN/PCT/2002/478/DEL A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Method And Systems For Providing And Displaying Information On A Keyboard.**

**(51)International classification:**H 03 K 17/94  
**(30)Priority Data:**  
**(31)Document No. :**PCT/US00/42045;60/164,792  
**(32)Date :**10/Nov/2000;10/Nov/1999  
**(33)Country :**United States of America;United States of America

**(71)Name of the Applicant.:**  
SCREENBOARD TECHNOLOGIES, INC.  
**Address of the Applicant.:**  
23 KILMER DRIVE, MORGANVILLE, NJ 07751  
United States of America

**(72)Name of the Inventor.:**  
KATZ, SAMUEL, M.

**Abstract :**

A system and method for communicating information over a network between a remote server and a client computer keyboard system. The state of the client computer and the identity of the user using the client computer are determined. Based on the computer state and the user identity, a request is made to a client-side cache for a message to be displayed on a keyboard key display and an action to be associated with the keyboard key. A determination is made as to whether the requested message and action are in the cache. Upon determining that the requested message and action are in the cache, they are retrieved from the cache and displayed and the function is associated with the key. If the information is not in the cache, a request for the message and action is transmitted to the remote server which provides the requested information.

**Application No. IN/PCT/2002/479/DEL A****(22)Date of filing of Application :07/May/2002****(54)Title of the invention :Inking Plate For Rotary Printing Plate.**

**(51)International classification:**B 41 F 31/26; B 41 N 7/06  
**(30)Priority Data:**  
**(31)Document No. :**2117/99;PCT/CH00/00529  
**(32)Date :**19/Nov/1999;28/Sep/2000  
**(33)Country :**Switzerland;Switzerland

**(71)Name of the Applicant.:**  
KBA-GIORI S.A.  
**Address of the Applicant.:**  
4 RUE DE LA PAIX, 1003 LAUSANNE  
Switzerland

**(72)Name of the Inventor.:**  
FINA RAFFAELE

**Abstract :**

An inking plate for a rotary printing machine, the plate being designed to be mounted on a cylinder, and being formed of at least a base plate (11) and material deposited on said base plate (11), the surface of said deposited material being designed to be cut in relief (16) areas whose outlines correspond to the outlines of the surfaces to be inked, wherein said deposited material is formed by at least one layer (15; 27) of a PVC composition distributed over the greater part of the surface of the base plate (11).

Application No. IN/PCT/2002/480/DEL A

(22) Date of filing of Application : 07/May/2002

(54) Title of the invention : *High Differential Pressure Electrochemical Cell*

(51) International classification: H 01 M 8/10; H 01 M 8/18

(30) Priority Data:

(31) Document No. : PCT/US00/42223

(32) Date : 17/Nov/2000

(33) Country : United States of America

(71) Name of the Applicant.:

PROTON ENERGY SYSTEM INC.,

Address of the Applicant.:

50, INWOOD ROAD, ROCKY HILL, CT 06067

United States of America

(72) Name of the Inventor.:

SKOCZYLAS THOMAS

CHRISTOPHER MATTHEW

SHIEPE, JASON K.

DRISTY, MARK E.

MOLTER, TRENT M.

**Abstract :**

An electrochemical cell, comprising: a first, porous electrode, a second electrode, and a membrane disposed therebetween, wherein said first, porous electrode comprises a catalyst adsorbed onto a surface of an electrically conductive, porous support; a flow field in fluid communication with said second electrode; a first fluid port in fluid communication with said first electrode; and a second fluid port in fluid communication with said second electrode.

Application No. IN/PCT/2002/481/DEL A

(22) Date of filing of Application : 09/May/2002

(54) Title of the invention : *Sterilization Of Liquids Using Ultra-Violet Light*

(51) International classification: A 61 L 2/10; C 02 F 1/32

(30) Priority Data:

(31) Document No. : 2000/0188; 99/5540; PCT/ZA00/00189

(32) Date : 18/Jan/2000; 12/Oct/1999; 12/Oct/2000

(33) Country : South Africa; South Africa; South Africa

(71) Name of the Applicant.:

HYDROZONE [PROPRIETARY] LIMITED

Address of the Applicant.:

C/O WESTCOTT FINESTONE, BANK CHAMBERS, 144

LONGMARKET STREET, CAPE TOWN 8000

South Africa

(72) Name of the Inventor.:

ELDRED RIX

ATTILA KURUCZ

**Abstract :**

A STERILIZER FOR REDUCING THE BACTERIA COUNT IN A LIQUID, THE STERILIZER COMPRISING AN ALONGATE SHEATH, AN ELONGATE SHEATH, AN ELONGATE FLUORESCENT TUBE EXTENDING ALONG THE SHEATH, THERE BEING A GAP BETWEEN THE TUBE AND THE SHEATH THROUGH WHICH GAP THE LIQUID TO BE STERILIZED FLOWS, SAID SHEATH HAVING AN INTERNAL CONFIGURATION INCLUDING PROTUBERANCES OVER WHICH, IN USE, THE LIQUID FLOWS AND WHICH IMPART TURBULENCE TO THE FLOWING LIQUID, AND AN INLET FOR THE LIQUID WHICH INLET IS OFFSET WITH RESPECT TO THE SHEATH AND THE TUBE SO AS TO CAUSE THE INCOMING LIQUID TO SWIRL IN THE SHEATH.



Application No. IN/PCT/2002/482/DEL A

(22) Date of filing of Application : 09/May/2002

(54) Title of the invention : Condensed Azepines As Vasopressin Agonists.

(51) International classification: C 07 D 403/12; C 07 D 495/04

(30) Priority Data:

(31) Document No. : 0000079.4; PCT/GB01/00023

(32) Date : 05/Jan/2000; 04/Jan/2001

(33) Country : Great Britain; Great Britain

(71) Name of the Applicant.:

FERRING BV

Address of the Applicant.:

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Netherlands

(72) Name of the Inventor.:

ASHWORTH DOREEN MARY

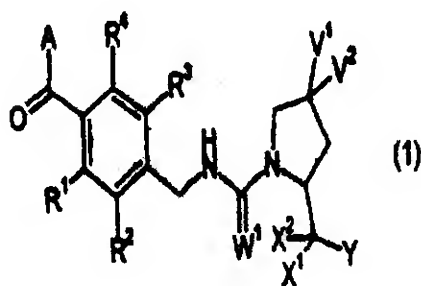
PITTY GARY ROBERT WILLIAM

HUDSON PETER

YEA CHRISTOPHER

FRANKLIN RICHARD JEREMY

## Abstract :



Application No. IN/PCT/2002/483/DEL A

(22)Date of filing of Application :09/May/2002

(54)Title of the invention :Vaccines For Mycoplasma Bovis And Methods Of Use.

(51)International classification:A 61 K 39/04; A 61 P 31/04

(30)Priority Data:

(31)Document No. :PCT/US00/42000;60/164,286

(32)Date :08/Nov/2000;08/Nov/1999

(33)Country :United States of America;United States of America

(71)Name of the Applicant.:

BIOMUNE

Address of the Applicant.:

8906 ROSEHILL ROAD, LENEXA, KS 66215

United States of America

(72)Name of the Inventor.:

LEONARD JOAN D,

TULLY ROBERT W.

**Abstract :**

THE INVENTION OF NOVEL, EFFECTIVE VACCINES AGAINST MYCOPLASMA. BOVIS FOR USE IN CATTLE IS DESCRIBED. THESE VACCINES DEMONSTRATE NO UNDESIRABLE SIDE EFFECTS AND PROTECT AGAINST M. BOVIS RELATED DISEASE, SUCH AS CONTAGIOUS MASTITIS, RESPIRATORY PNEUMANIA, JOINT INFECTIONS, KERATOCONJUNCTIVITIS AND MIDDLE EAR INFECTIONS. THE NOVEL VACCINES ALSO LESSEN THE EFFECT OF M. BOVIS INFECTIONS ON MILK PRODUCTION, WEIGHT GAIN AND ANIMAL HEALTH. METHODS OF DIAGNOSING, CHARACTERIZING AND TREATING M. BOVIS INFECTION AS SPECIFIC BIOTYPES ARE ALSO DISCLOSED. VACCINE COMPOSITIONS MADE IN ACCORDANCE WITH THE INVENTION MAY BE EITHER OF THE ATTENUATED OR INACTIVATED VARIETY. VACCINES MAY ALSO INCLUDES ANTIGENS FROM OTHER PATHOGENS SO AS TO PROVIDE A PROTECTIVE IMMUNOGENIC RESPONSE TO DISEASES OTHER THAN THOSE CAUSED BY M. BOVIS.

Application No. IN/PCT/2002/484/DEL A

(22)Date of filing of Application :09/May/2002

(54)Title of the invention :Filter Arrangement And Methods.

(51)International classification:B 01 D 46/52; 25/24

(30)Priority Data:

(31)Document No. :PCT/US00/42131;09/437,867

(32)Date :09/Oct/2000;10/Nov/1999

(33)Country :United States of America;United States of America

(71)Name of the Applicant.:

DONALDSON COMPANY, INC.

Address of the Applicant.:

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United States of America

(72)Name of the Inventor.:

TOKAR JOSEPH C.

LEBLANC, JAMES, A.

**Abstract :**

A filter arrangement includes a first filter element having opposite first and second ends; an axial length between the first and second ends; and a plurality of flutes. Each of the flutes has a first end portion adjacent to the first filter element first end, and a second end portion adjacent to the first filter element second end. Selected ones of the flutes are open at the first end portion and closed at the second end portion; and selected ones of the flutes are closed at the first end portion and open at the second end portion. A sleeve member secured to and circumscribing the first filter element. The sleeve member is oriented relative the first filter element to extend at least 30 % of the axial length of the first filter element. A seal member pressure flange at least partially circumscribes the sleeve member. The filter arrangement is particularly for gas turbine systems. Methods for operating and servicing filter arrangements preferably utilize constructions herein.

**Application No. IN/PCT/2002/485/DEL A****(22) Date of filing of Application : 10/May/2002****(54) Title of the invention : Method For Detecting Replication Competent Viruses In The Sera Of Subjects Receiving Gene Therapy****(51) International classification:** C 12 Q 1/70**(30) Priority Data:****(31) Document No. :** PCT/KR00/01305; 1999-50510**(32) Date :** 15/Nov/2000; 15/Nov/1999**(33) Country :** KOREA; KOREA**(71) Name of the Applicant.:**

DIACHIP LIMITED

**Address of the Applicant.:**C/O TECHNOLOGY BUSINESS INCUBATOR, INSTITUTE  
FOR MOLECULAR BIOLOGY, GENETICS BLDG., 105,  
SEOUL NATIONAL UNIVERSITY, SAN 56-1, SHILLIM-  
DONG, KWANAK-KU, SEOUL 151-742  
KOREA**(72) Name of the Inventor.:**

KIM SUN-YOUNG

PARK, EUN-JIN

NA, YOUNG SOON

YU, SEUNG-SHIN

**Abstract :**

The present invention provides a method for detecting the presence of antibody to murine leukemia virus (MLV) in the sera of human subjects receiving gene therapy using specific antigens of MLV. The genes for the antigens exist not in a viral vector for gene therapy but only in a virus genome from which the viral vector originated and the antigens are preferably selected from Gag and Env proteins of MLV. These antigens are of great use in immune reaction-based RCR detection in view of specificity and sensitivity.

**Application No. IN/PCT/2002/486/DEL A****(22) Date of filing of Application : 10/May/2002****(54) Title of the invention : Film Preparation For Biphasic Release Of Pharmacologically Active Or Other Substances.****(51) International classification:** A 61 K 9/70**(30) Priority Data:****(31) Document No. :** PCT/EP00/10861; 199 54 421**(32) Date :** 03/Nov/2000; 12/Nov/1999**(33) Country :** Germany; Germany**(71) Name of the Applicant.:**

LTS LOHMANN THERAPIE-SYSTEME AG

**Address of the Applicant.:**LOHMANNSTRASSE 2, 56626 ANDERNACH  
Germany**(72) Name of the Inventor.:**

LUDWIG KARIN

KRUMME, MARKUS

**Abstract :**

A polymer-based preparation in film form for biphasic release of substances present therein to liquid surroundings, is characterized in that the preparation comprises at least two polymer matrix layers which differ in terms of their construction from polymers, with release taking place rapidly from one of the layers, and release taking place slowly from at least one other layer.

**Application No. IN/PCT/2002/487/DEL A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Multi-Layer Preparation In Film Form, Consisting Of Hydrophilic Polymers, For The Rapid Release Of Active Ingredients.****(51)International classification:**A 61 K 9/24**(30)Priority Data:****(31)Document No. :**PCT/EP00/10856;199 54 245.7**(32)Date :**03/Nov/2000;11/Nov/1999**(33)Country :**Germany;Germany**(71)Name of the Applicant.:**

LTS LOHMANN THERAPIE-SYSTEME AG

**Address of the Applicant.:**LOHMANNSTRASSE 2, 56626 ANDERNACH  
Germany**(72)Name of the Inventor.:**

KRUMME, MARKUS

**Abstract :**

A multilayer preparation in the form of films of hydro-philic polymers for rapid release of substances present in the film layers into liquid surroundings is characterized in that adjacent layers differ from one another in that in each case one layer is soluble in a nonaqueous solvent in which the respective adjacent layer is insoluble or only slightly soluble.

**Application No. IN/PCT/2002/488/DEL A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :A Method Of Microencapsulation.****(51)International classification:**A 61 K 9/50; A 61 K 9/16**(30)Priority Data:****(31)Document No. :**9927202.3;PCT/IL00/00759**(32)Date :**17/Nov/1999;16/Nov/2000**(33)Country :**United Kingdom;Israel**(71)Name of the Applicant.:**

TAGRA BIOTECHNOLOGIES LTD.

**Address of the Applicant.:**P.O. BOX 1366, 20179 MISGAV  
Israel**(72)Name of the Inventor.:**

BABTSOV, VLADIMIR

SHAPIRO, YURY

KVITNITSKY, EMMA

**Abstract :**

A method for microencapsulation of substances is provided. The substance(s) is/are dissolved or dispersed in an organic solvent of the kind that is partially miscible in water media. This organic solution is then mixed with an aqueous solution, which is saturated with an organic solvent and an emulsifier to form an emulsion. The emulsion is then poured into water under continuous agitation for the extraction of residual solvent. The formation of the solid capsules takes place during this extraction process. The capsules are undergone to further purification, whereby the microcapsules can be separated from the water and dried. By conditions of incubation of microcapsules in water-containing formulations the wall-softening process takes place. The unique system for controlled releasing the ingredients from microcapsules is based on the above-mentioned process.

**Application No. IN/PCT/2002/489/DEL A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Process For Selectively Producing High Octane Naphtha.****(51)International classification:**C 10G 11/05**(30)Priority Data:****(31)Document No. :**PCT/US00/29866;09/437,161**(32)Date :**27/Oct/2000;10/Nov/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

EXXONMOBIL CHEMICAL PATENTS INC.,

**Address of the Applicant.:**

P.O. BOX 2149, BAYTOWN, TEXAS 77522-2149

United States of America

**(72)Name of the Inventor.:**

TODD RICHARD STEFFEN

PAUL KEVIN LADWIG

**Abstract :**

A process for forming a high octane naphtha comprising: contacting a naphtha feed having a feed RVP and an average feed octane number and containing paraffinic species and olefinic species under catalytic conversion conditions with a catalytically effective amount of a catalyst containing 10 to 50 wt.% of a crystalline zeolite having an average pore diameter less than about 0.7 nm at a temperature ranging from about 500°C to about 650°C, a hydrocarbon partial pressure ranging from about 10 to about 40 psia, a hydrocarbon residence time ranging from about 1 to about 10 seconds, and a catalyst to feed weight ratio ranging from about 2 to about 10 in order to form the high octane naphtha.

**Application No. IN/PCT/2002/490/DEL A****(22)Date of filing of Application :10/May/2002****(54)Title of the invention :Naphtha Cracking And Hydroprocessing Process For Low Emissions, High Octane Fuels.****(51)International classification:**C 10 G 64/04; C 10 G 69/06**(30)Priority Data:****(31)Document No. :**09/436,660;PCT/US00/30378**(32)Date :**10/Nov/1999;03/Nov/2000**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

EXXONMOBIL CHEMICAL PATENTS, INC.

**Address of the Applicant.:**

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United States of America.

**(72)Name of the Inventor.:**

PAUL K. LADWIG,

GORDON F. STUNTZ

GARLAND B. BRIGNAC

THOMAS R. HALBERT

**Abstract :**

The invention is related to a two step process wherein the first step comprises cracking an olefinic naphtha resulting in a cracked product having a diminished total concentration of olefinic species. The second step comprises hydroprocessing at least a portion of the cracked product, especially a naphtha fraction, to provide a hydroprocessed cracked product having a reduced concentration of contaminant species but without a substantial octane reduction.

Application No. *IN/PCT/2002/491/DEL A*

(22)Date of filing of Application :10/May/2002

(54)Title of the invention :*Estradiol Conjugates And Uses Thereof.*

(51)International classification:C 07 J 1/00; A 61 K 47/36;  
47/42, 47/48 A 61 P 9/00; 35/00  
(30)Priority Data:  
(31)Document No. :PCT/AU00/01244;PQ 3425  
(32)Date :13/Oct/2000;14/Oct/1999  
(33)Country :Australia;Australia

(71)Name of the Applicant.:  
THE UNIVERSITY OF MELBOURNE  
Address of the Applicant.:  
GRATTAN STREET, PARKVILLE, VICTORIA 3052  
Australia

(72)Name of the Inventor.:  
STEWART, ALASTAIR, GEORGE  
MCALLISTER, DAVID, JAMES  
COLLIS, MAREE, PATRICIA  
ROBERTSON, ALAN, DUNCAN

Abstract :

A CONJUGATED PRODRUG OF AN ESTRADIOL COMPOUND CONJUGATED TO A BIOLOGICAL ACTIVITY  
MODIFYING AGENT.

Application No. *IN/PCT/2002/492/DEL A*

(22)Date of filing of Application :10/May/2002

(54)Title of the invention :*Method And Apparatus For Removing Thimbles From The Stubs Of An Anode.*

(51)International classification:C 25 C 3/00; C 25 C 3/06;  
3/08  
(30)Priority Data:  
(31)Document No. :PCT/US01/03055;60/179,720  
(32)Date :31/Jan/2001;01/Feb/2000  
(33)Country :United States of America;United States of  
America

(71)Name of the Applicant.:  
JERVIS B. WEBB COMPANY  
Address of the Applicant.:  
34375 WEST TWELVE MILE ROAD, FARMINGTON HILLS,  
MI 48331-5624  
United States of America

(72)Name of the Inventor.:  
KUBSIK ROBERT

Abstract :

An apparatus and method for removing thimbles (12) from stubs (20) of an anode yoke which includes the step of advancing a ram (20) towards each stub with the force applied by the ram against the stub being limited to a preset maximum, and another step of advancing the rams at the same speed to push the stubs through the timbles.

Application No. IN/PCT/2002/493/DEL A

(22)Date of filing of Application :10/May/2002

(54)Title of the invention :A Humanized Antibody To Surface Antigen S Of Hepatitis B Virus And A Preparing Method Thereof.

(51)International classification:C 12 N 15/13

(30)Priority Data:

(31)Document No. :2000-57891;PCT/KR01/01657;2001-60966

(32)Date :02/Oct/2000;04/Oct/2001;29/Sep/2001

(33)Country :Korea;Korea;Korea

(71)Name of the Applicant.:

KOREA RESEARCH INSTITUTE OF BIOSCIENCE AND BIOTECHNOLOGY

Address of the Applicant.:

52, OUN-DONG, YUSUNG-KU, 305-333 TAEJEON-SI, Korea

(72)Name of the Inventor.:

HONG HYO-JEONG

KIM KEUN-SOO

**Abstract :**

The present invention relates to the humanized antibodies to surface antigen S of hepatitis B virus and a preparing method thereof. Particularly, it relates to the humanized antibodies which comprise heavy and light chains having amino acid sequences originated from human antibodies at the HCDR1, HCDR2, HCDR3 and LCDR1, LCDR2, LCDR3 of their variable regions, expression vectors containing each of the heavy and light chain genes of the humanized antibody and transformant which can produce humanized antibody by transfection with heavy and light chain expression vectors and a preparing method thereof. A humanized antibody of the present invention is more humanized than that of the previous arts. So, it minimizes the probability of immune response in humans and has good antigen binding capacity, making it a excellent candidate for prevention and treatment of the hepatitis B virus infection.

Application No. IN/PCT/2002/494/DEL A

(22)Date of filing of Application :10/May/2002

(54)Title of the invention :A Humanized Antibody To Surface Antigen S Of Hepatitis B Virus And A Preparing Method Thereof.

(51)International classification:C 12 N 15/13

(30)Priority Data:

(31)Document No. :PCT/KR01/01657;2000-57891;2001-60966

(32)Date :04/Oct/2001;02/Oct/2000;29/Sep/2001

(33)Country :Korea;Korea;Korea

(71)Name of the Applicant.:

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(72)Name of the Inventor.:

HONG HYO-JEONG

KIM KEUN-SOO

**Abstract :**

The present invention relates to the humanized antibodies to surface antigen S of hepatitis B virus and a preparing method thereof. Particularly, it relates to the humanized antibodies which comprise heavy and light chains having amino acid sequences originated from human antibodies at the HCDR1, HCDR2, HCDR3 and LCDR1, LCDR2, LCDR3 of their variable regions, expression vectors containing each of the heavy and light chain genes of the humanized antibody and transformant which can produce humanized antibody by transfection with heavy and light chain expression vectors and a preparing method thereof. A humanized antibody of the present invention is more humanized than that of the previous arts. So, it minimizes the probability of immune response in humans and has good antigen binding capacity, making it a excellent candidate for prevention and treatment of the hepatitis B virus infection.

Application No. IN/PCT/2002/495/DEL A

(22)Date of filing of Application :10/May/2002

(54)Title of the invention :Fuel Cell Having A Hydrophilic Substrate Layer.

(51)International classification:H 01 M 8/10; H 01 M 4/86

(30)Priority Data:

(31)Document No. :09/466,701;PCT/US00/34180

(32)Date :17/Dec/1999;15/Dec/2000

(33)Country :United States of America;United States of America

(71)Name of the Applicant:

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(72)Name of the Inventor.:

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SAWYER RICHARD DEAN

STEINBUGLER MARGARET MARY

YI JUNG SEOK

PATTERSON TIMOTHY WILLIAM

Abstract :

A fuel cell power plant, comprising: (a) a fuel cell comprising an anode support plate and a cathode support plate and a membrane electrode assembly disposed between said anode and cathode support plates, said membrane electrode assembly comprising a polymer electrolyte membrane, one of said support plates comprising a hydrophilic substrate layer having pores therein; (b) a water transport plate adjacent to said one of said support plates, said water transport plate having a passageway for a coolant stream and an other passageway for a reactant gas stream; and (c) means for creating a predetermined pressure differential between said reactant gas stream and said coolant stream such that a greater percentage of said pores within said hydrophilic substrate layer contain reactant gas rather than coolant.



**Application No. IN/PCT/2002/496/DEL A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :Fuel Cell Having Interdigitated Flow Channels And Water Transport Plates.****(51)International classification:**H 01 M 8/10**(30)Priority Data:****(31)Document No. :**PCT/US00/34104;09/466,  
701:09/733/133;09/542,778**(32)Date :**

15/Dec/2000; 17/Dec/1999;08/Dec/2000;04/Apr/2000

**(33)Country :**United States of America;United States of  
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United States of America

**(72)Name of the Inventor.:**

YI JUNG SEOK

PUHALSKI JONATHAN WILLIAM

**Abstract :**

A fuel cell power plant, comprising: a fuel cell comprising an anode support plate including a porous substrate layer having an interdigitated passageway for a fuel reactant gas stream to enter therein and exit therefrom, a cathode support plate including a porous substrate layer having an interdigitated passageway for an oxidant gas stream to enter therein and exit therefrom, and a membrane electrode assembly disposed between said support plates, said membrane electrode assembly comprising a polymer electrolyte membrane disposed between two catalysts; a first porous water transport plate adjacent to said cathode support plate, said first porous water transport plate having a passageway for a coolant stream to pass therethrough, and an interdigitated passageway for an oxidant gas stream to enter therein and exit therefrom; a second porous water transport plate adjacent to said anode support plate, said second porous water transport plate having a passageway for a coolant stream to pass therethrough, and an interdigitated passageway for a fuel reactant stream to enter therein and exit therefrom; means for creating a predetermined pressure differential between said oxidant gas stream and said coolant stream such that the pressure of said oxidant gas stream is greater than the pressure of said coolant stream; and means for creating a predetermined pressure differential between said fuel reactant gas stream and said coolant stream such that the pressure of said fuel reactant gas stream is greater than the pressure of said coolant stream.

**Application No. IN/PCT/2002/497/DEL A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :Stable Polymorph Of N-(3-Ethynylphenylamino)-6,7-Bis(2-Methoxyethoxy)-4-Quinazoli-Namine Hydrochloride, Methods Of Production And Pharmaceutical Uses Thereof.****(51)International classification:**C07 D 239/04; A 61 K 31/505**(30)Priority Data:****(31)Document No. :**

PCT/US00/31009;60/206,420;60/193,191;60/164,907

**(32)Date :**

09/Nov/2000;23/May/2000;30/Mar/2000;11/Nov/1999

**(33)Country :**United States of America;United States of

America;United States of America;United States of America

**(71)Name of the Applicant.:**

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FERRANTE, KAREN, J.

NORRIS, TIMOTHY

RAGGON, JEFFREY, W.

SILBERMAN, SANDRA, L.

**Abstract :**

The present invention relates to a stable crystalline form of N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine hydrochloride designated the B polymorph, its production in essentially pure form, and its use. The invention also relates to the pharmaceutical compositions containing the stable polymorph B form of N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine as hydrochloride, as well as other forms of the compound, and to methods of treating hyperproliferative disorders, such as cancer, by administering the compound.

**Application No. IN/PCT/2002/498/DEL A****(22)Date of filing of Application :13/May/2002****(54)Title of the invention :Inhaler****(51)International classification:**A 61 M 15/00**(30)Priority Data:****(31)Document No. :**9928265.9;PCT/GB00/04623**(32)Date :**01/Dec/1999;01/Dec/2000**(33)Country :**United Kingdom;Great Britain**(71)Name of the Applicant.:**

INNOVATA BIOMED LIMITED

**Address of the Applicant.:**

ZIGGURAR, GROSVENOR ROAD, ST. ALBANS AL1 3HW

United Kingdom

**(72)Name of the Inventor.:**

BRAITHWAITE, PHILIP

WILLIAMS, STEVE

**Abstract :**

THERE IS DESCRIBED A DELIVERY DEVICE WHICH COMPRISES A RESERVOIR A DELIVERY PASSAGE FOR THE DELIVERY OF MATERIAL AND A MERGING MEMBER CHARACTERISED IN THAT THE DELIVERY DEVICE IS PROVIDED WITH A PLURALITY OF RESERVOIRS AND THAT THE METERING MEMBER IS PROVIDED WITH A PLURALITY OF MEASURING CUPS ADAPTED TO TRANSFER ONE OR MORE MEASURED DOSES OF MATERIAL FROM ONE OR MORE OF THE RESERVOIRS TO THE DELIVERY PASSAGE. A METHOD OF ADMINISTERING A DRY POWDER AND A METHOD AND ESPECIALLY A METHOD OF TREATMENT OF A PATIENT WITH A BRONCHIAL DISORDER ARE ALSO DESCRIBED.

**Application No. IN/PCT/2002/499/DEL A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Method And Device For Isolating Plate-Like Substrates.****(51)International classification:**B 28 D 5/00**(30)Priority Data:****(31)Document No. :**PCT/EPO/10036;199500681**(32)Date :**12/Oct/2000;16/Oct/1999**(33)Country :**Germany;Germany**(71)Name of the Applicant.:**

ACR AUTOMATION IN CLEANROOM GmbH

**Address of the Applicant.:**

VILLINGER STRASSE 4, 78078 NIEDERSCHACH

Germany

**(72)Name of the Inventor.:**

GENTISCHER, JOSEF

**Abstract :**

The invention relates to a method for isolating and detaching thin, fragile, plate-like substrates (11). Said plate-like substrates (11) are cut from a substrate block (13), which is preferably mounted on a baseplate (12) by means of adhesive, are gripped at evenly distributed points on the free outer surface thereof (16) and are displaced in an oscillating manner, such that the plate-like substrates (11) are automatically and individually removed free of damage from the sawn substrate block and from the layer of adhesive.

**Application No. IN/PCT/2002/500/DEL A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Rigid Carton Of Cigarettes Partially Openable For Display****(51)International classification:**A 24 F 15/00**(30)Priority Data:****(31)Document No. :**PCT/IT00/00410;BO99A000552**(32)Date :**13/Oct/2000;14/Oct/1999**(33)Country :**Italy;Italy**(71)Name of the Applicant.:**

G.D. SOCIETA' PER AZIONI

**Address of the Applicant.:**

40133 BOLOGNA VIA BATTINDARNO, 91

Italy

**(72)Name of the Inventor.:**

BORIANI, SILVANO

DRAGHETTI, FIORENZO

**Abstract :**

A rigid parallelepiped-shaped carton (1) for packets (3) of cigarettes, having a cup-shaped bottom container (8) and a substantially cup-shaped top lid (9) connected to the bottom container (8) along at least one preweakened tear line (10) running along two parallel, facing vertical lateral walls (11, 12), and along a vertical front wall (13), so as to divide each vertical wall (11, 12, 13) into a respective bottom portion (11a, 12a, 13a) forming part of the container (8), and a respective remaining top portion (11b, 12b, 13b) forming part of the lid (9); each packet (3) of cigarettes being housed inside the carton (1) with a major lateral wall (5) of the packet parallel to the front wall (13); and the preweakened tear line (10) being located at a first height (H1) along the vertical lateral walls (11, 12) and dropping to a second height (H2), lower than the first height (H1), along the vertical front wall (13).

Application No. IN/PCT/2002/501/DEL A

(22) Date of filing of Application : 14/May/2002

(54) Title of the invention : Apparatus And Method For Assigning A Common Packet Channel In A Cdma Communication System .

(51) International classification: H 04 B 1/69

(30) Priority Data:

(31) Document No. :

2000/11184; PCT/KR00/01379; 2000/10823; 1999/53630; 2000/8316; 2000/17743

(32) Date :

02/Mar/2000; 29/Nov/1999; 29/Feb/2000; 29/Nov/1999; 21/Feb/2000; 04/Apr/2000

(33) Country : Korea; Korea; Korea; Korea; Korea; Korea

(71) Name of the Applicant:

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KYUNGKI-DO

Koreo

(72) Name of the Inventor.:

CHOI, SUNG -HO

JUNG, KI-HO

PARK, SEONG-ILL

LEE, HYUN -WOO

PARK, SANG-HWAN

KIM, KYOU-WOONG

CHOI, HO-KYU

HWANG , SUNG-OH

KOO, CHANG-HOI

PARK, CHANG-SOO

KIM, JAE-YOEL

MOON, HI-CHAN

**Abstract :**

The present invention relates to an apparatus and method for communicating data over an uplink common packet channel in an asynchronous CDMA mobile communication system. Disclosed is a common packet channel communication device and method. In the common packet channel communication device and method, a user equipment transmits an access preamble to a UTRAN, considering the data transmission speed and quantity of an uplink common packet channel needed by the user equipment and the status of uplink common packet channels in the UTRAN. In response to the access preamble, the UTRAN transmits an access preamble acquisition indicator channel to the user equipment. Upon receipt of the access preamble acquisition indicator channel, the user equipment transmits a collision detection preamble to the UTRAN. In response to the collision detection preamble, the UTRAN transmits a collision detection acquisition channel to the user equipment, and simultaneously transmits to the user equipment a channel allocation message corresponding to the access preamble. In addition, disclosed are a communication device and method for stably transmitting the status information of an uplink common channel from the UTRAN to the user equipment that desires to transmit the uplink common packet channel, a communication device and method for efficiently use the resources of the uplink common channel in the UTRAN when the UTRAN allocates the uplink common channel to the user equipment, and a communication device and method for reliably and simultaneously transmitting the channel allocation message and the collision detection acquisition channel from the UTRAN to the user equipment.

**Application No. IN/PCT/2002/502/DEL A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Multilayer Preparation For A Controlled Pulsed Release Of Active Substances.****(51)International classification:**A 61 K 9/22**(30)Priority Data:****(31)Document No. :**PCT/EP00/0934;19956486.8**(32)Date :**06/Nov/2000;24/Nov/1999**(33)Country :**Germany;Germany**(71)Name of the Applicant.:**

LTS LOHMANN THERAPIE-SYSTEME AG

**Address of the Applicant.:**LOHAMANNSTRASSE 2, 56626 ANDERNACH  
Germany**(72)Name of the Inventor.:**VON FALKENHAUSEN CHRISTIAN  
KRUMME MARKUS**Abstract :**

A multilayer preparation for controlled, pulsatile delivery of active ingredients is characterized in that the preparation has at least four layers, of which at least two nonadjacent layers contain any active ingredient A.

**Application No. IN/PCT/2002/503/DEL A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Transgenic Insect.****(51)International classification:**C12N 15/85, 15/89, A61K 38/55, A01K 67/033**(30)Priority Data:****(31)Document No. :**PCT/GB00/04771;9929681.6**(32)Date :**13/Dec/2000;15/Dec/1999**(33)Country :**United Kingdom;United Kingdom**(71)Name of the Applicant.:**

IMPLYX LTD.

**Address of the Applicant.:**ESSEX ROAD, HODDESDON, HERTFORDSHIRE EN11 0DW  
Great Britain**(72)Name of the Inventor.:**CRISANTI, ANDREA  
FLAMINIA, CATTERUCCIA  
NOLAN, TONY**Abstract :**

A method for the genetic modification of an insect embryo, comprises first treating an insect egg under conditions which prevent or delay the hardening of the insect egg chorion, and then injecting a transposable element into the egg to permit integration of the element into the genome of the embryo. The method permits modifications to be made to mosquitoes, which may prevent transmission of a host parasite.

Application No. IN/PCT/2002/504/DEL A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Switchable Permanent Magnetic Device.

(51)International classification:H01F 7/04, 13/00, B23Q

3/15, B66C 1/04

(30)Priority Data:

(31)Document No. :PCT/AU00/01505;pq4466

(32)Date :06/Dec/2000;06/Dec/1999

(33)Country :Australia;Australia

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kocijan,franz

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Australia

(72)Name of the Inventor.:

KOCIJAN, FRANZ

UNDERWOOD, PERRY, JOHN

**Abstract :**

A switchable magnetic device includes a first magnet (10) and a second magnet (11), both of which are essentially cylindrical. Magnets (10,11) are housed in a housing made from pole pieces (12,13). Pole pieces (12, 13) are ferromagnetic. Lower magnet (10) is fixedly mounted in the housing whilst upper magnet (11) can rotate within the housing. Upper magnet (11) is formed with notches or grooves (14, 15) along its vertical side walls. These notches or grooves (14, 15) receive downwardly depending arms (16,17) of bar (18). Bar (18) is received inside a groove (19) formed on boss (20). Boss (20) is connected to a short bar (21) that, in turn, is fixedly connected to a handle or lever (22). By this means, rotation of handle or lever (22) causes rotation of second magnet (11). When the upper magnet (11) is positioned such that its north pole substantially overlies the south pole of lower magnet (10) and the south pole of upper magnet (11) substantially overlies the north pole of lower magnet (10), the first and second magnets act as an internal active magnetic shunt and as a result the external magnetic field strength from the device is quite low. Rotating the upper magnet (11) 180° about its axis of rotation brings the magnets into alignment such that the respective north and south poles of the upper magnet (11) substantially overlie respective north and south poles of lower magnet (10). In this alignment, the external magnet field from the device is quite strong and the device can be affixed to surfaces or objects.

Application No. IN/PCT/2002/505/DEL A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Beta-D-5-Thioxylose Derivatives, Preparation Method And Therapeutic Use.

(51)International classification:C07H 17/075, A61K 31/70

(30)Priority Data:

(31)Document No. :99/14445;PCT/FR00/03174

(32)Date :17/Nov/1999;15/Nov/2000

(33)Country :France;France

(71)Name of the Applicant.:

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France

(72)Name of the Inventor.:

BARBER-OUSSE, VERONIQUE

BOUBIA, BENAÏSSA

SAMRETH, SOTH

**Abstract :**

The invention concerns a 4-methyl-2-oxo-2H-1-benzopyran-7-yl 5-thio-b-d-xylapyranoside compound of formula (I) wherein: R represents a C1-C5 alkyl group, which is linear, branched or cyclized, a mono-unsaturated C2-C3 alkene group, a C1-C3 hydroxyalkyl group or a C3-C6 alkoxyalkyl group. The invention also concerns the method for preparing said compound and the therapeutic use thereof as antithrombotic substance.

Application No. IN/PCT/2002/506/DEL A

(22)Date of filing of Application :14/May/2002

(54)Title of the invention :Beta-D-5- Thioxylose Derivatives Preparation Method And Therapeutic Use.

(51)International classification:C07H 17/075, A61K 31/70

(30)Priority Data:

(31)Document No. :PCT/FR00/03174;99/14445

(32)Date :15/Nov/2000;17/Nov/1999

(33)Country :France;France

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(72)Name of the Inventor.:

SAMRETH, SOTH

BARBER-OUSSE, VERONIQUE

BOUBIA, BENAÏSSA

**Abstract :**

The invention concerns a 4-methyl-2-oxo-2H-1-benzopyran-7-yl 5-thio-b-d-xylapyranoside compound of formula (I) wherein: R represents a C1-C5, alkyl group, which is linear, branched or cyclized, a mono-unsaturated C2-C3 alkene group, a C2-C3 hydroxyalkyl group or a C3-C6, alkoxyalkyl group. The invention also concerns the method for preparing said compound and the therapeutic use thereof as antithrombotic substance.



**Application No. IN/PCT/2002/507/DEL A****(22)Date of filing of Application :14/May/2002****(54)Title of the invention :Stable Polymorph Of N-(Ethynylphenylamino)-6,7- Bis(2-Methoxyethoxy)-4-Quinazolinamine Hydrochloride , Methods Of Production, And Pharmaceutical Uses Thereof.****(51)International classification:**C07D 239/04, A61K 31/505**(30)Priority Data:****(31)Document No. :**

PCT/US00/31009;60/206,420;60/193,191;60/164,907

**(32)Date :**

09/Nov/2000;23/May/2000;30/Mar/2000;11/Nov/1999

**(33)Country :**United States of America;United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

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**(72)Name of the Inventor.:**

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NORRIS, TIMOTHY

RAGGON, JEFFREY, W.

SILBERMAN, SANDRA, L.

**Abstract :**

The present invention relates to a stable crystalline form of N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine hydrochloride designated the B polymorph, its production in essentially pure form, and its use. The invention also relates to the pharmaceutical compositions containing the stable polymorph B form of N-(3-ethynylphenyl)-6,7-bis(2-methoxyethoxy)-4-quinazolinamine or hydrochloride, as well as other forms of the compound, and to methods of treating hyperproliferative disorders such as cancer, by administering the compound.

**Application No. IN/PCT/2002/508/DEL A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :Moving Set Data Communications.****(51)International classification:**H 04 J 3/24**(30)Priority Data:****(31)Document No. :**PCT/US00/42058;09/441,224**(32)Date :**10/Nov/2000;15/Nov/1999**(33)Country :**UNITED STATES OF AMERICA;UNITED STATES OF AMERICA**(71)Name of the Applicant.:**

SUN MICROSYSTEM INC.

**Address of the Applicant.:**901 SANANTONIO ROAD, M/S PAL01-521, PALO ALTO,  
CALIFORNIA 94303-4900

UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

JOE J. CHEN

**Abstract :**

A method for data communication, comprising: receiving a data packet, said data packet including at least one contiguous data item; defining a window that initially includes the beginning of said at least one contiguous data item; determining whether said window includes part of a split data item, said split data item including a first part within said window and a second part not within said window; processing said at least one contiguous data item when said split data item is absent; processing all of said at least one contiguous data items occurring before said first part; storing said first part; moving said window to include said first part and said second part; appending said stored first part to said second part to create an appended packet; and processing said appended packet.

**Application No. IN/PCT/2002/509/DEL A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :Process For Selectively Producing Light Olefins.**

**(51)International classification:**C 07 C 4/06  
**(30)Priority Data:**  
**(31)Document No. :**PCT/US00/29592;09/0437, 408  
**(32)Date :**27/Oct/2000;10/Nov/1999  
**(33)Country :**United States of America;United States of America

**(71)Name of the Applicant.:**  
EXXONMOBIL CHEMICAL PATENTS, INC.  
**Address of the Applicant.:**  
P.O. BOX 2149, BAYTOWN, TEXAS 77522-2149  
United States of America

**(72)Name of the Inventor.:**  
PAUL KEVIN LADWIG  
TODD RICHARD STEFFENS

**Abstract :**

THE INVENTION IS RELATED TO A CATALYST AND A PROCESS FOR SELECTIVELY PRODUCING LIGHT (I.E., C<sub>2</sub>-C<sub>4</sub>) OLEFINS FROM A CATALYTICALLY CRACKED OR THERMALLY CRACKED NAPHTHA STREAM. THE NAPHTHA STREAM IS CONTACTED WITH A CATALYST CONTAINING FROM ABOUT 10 TO 50 WT.% OF A CRYSTALLINE ZEOLITE HAVING AN AVERAGE PORE DIAMETER LESS THAN ABOUT 0.7 NANOMETERS AT REACTION CONDITIONS. THE CATALYSTS DO NOT REQUIRE STEAM ACTIVATION.

**Application No. IN/PCT/2002/510/DEL A****(22)Date of filing of Application :15/May/2002****(54)Title of the invention :Ceramic Components For High Pressure Oil Wells.**

**(51)International classification:**E 21 B 17/10; F 16 K 25/00;  
E 21 B 34/02  
**(30)Priority Data:**  
**(31)Document No. :**09/451,989;PCT/US00/32150  
**(32)Date :**30/Nov/1999;28/Nov/2000  
**(33)Country :**United States of America;United States of America

**(71)Name of the Applicant.:**  
CARPENTER ADVANCE CERAMICS INC  
**Address of the Applicant.:**  
13395 NEW AIRPORT ROAD, AUBURN, CA 95602  
United States of America

**(72)Name of the Inventor.:**  
BAENZIGER CARL R.  
MENTESH IBRAHIM M.

**Abstract :**

A method of increasing the operating life of a flow control component of a high pressure oil well, comprising the steps of: providing a flow control component body formed of a metallic material, said body having a channel formed therein; and placing a liner formed of a ceramic material in said channel.

**Application No. IN/PCT/2002/511/DEL A****(22)Date of filing of Application :16/May/2002****(54)Title of the invention :Wear Resistant Articles .****(51)International classification:**C04B 35/83, 35/80, F16D 65/12, 69/02, 13/64**(30)Priority Data:****(31)Document No. :**PCT/GB99/03940**(32)Date :**25/Nov/1999**(33)Country :**Great Britain**(71)Name of the Applicant.:**

DUNLOP AEROSPACE LIMITED

**Address of the Applicant.:**

HOLBROOK LANE , CONVENTRY CV6 4AA

United Kingdom

**(72)Name of the Inventor.:**

JOHNSON, DAVID CALLUM

**Abstract :**

An annular body, such as a brake disc, has a generally central aperture. The body comprises layers held in a carbon matrix. At least one surface is made up of seg-mental portions, each portion comprising a plurality of fibres which extend in generally parallel relation from the inner periphery at the aperture to the outer periphery of the body.

**Application No. IN/PCT/2002/512/DEL A****(22)Date of filing of Application :16/May/2002****(54)Title of the invention :Potassium Monofluorophosphate As A Corrosion Inhibitor.****(51)International classification:**C04B 22/16, 22/12**(30)Priority Data:****(31)Document No. :**PCT/CA00/00070**(32)Date :**26/Jan/2000**(33)Country :**Canada**(71)Name of the Applicant.:**

DOMTAR INC

**Address of the Applicant.:**395 DE MAISONNEUVE BOULEVARD WEST MONTREAL,  
QUEBEC H3C 2M1

Canada

**(72)Name of the Inventor.:**

MALRIC, BERNARD

LUTZ, THEOPHIL

**Abstract :**

Potassium monofluorophosphate is found to be superior to sodium monofluorophosphate as a corrosion inhibitor for steel reinforcement members in reinforced concrete; conveniently the potassium monofluorophosphate in aqueous solution is contacted with a surface of the reinforced concrete to facilitate penetration of the potassium monofluorophosphate into the concrete.

**Application No. IN/PCT/2002/513/DEL A****(22)Date of filing of Application :16/May/2002****(54)Title of the invention :System And Methods For Creating Financial Advice Applications.**

**(51)International classification:**G 06 F 17/60  
**(30)Priority Data:**  
**(31)Document No. :**PCTUS00/31396;60/165,693  
**(32)Date :**16/May/2002;16/Nov/1999  
**(33)Country :**United States of America;United States of America

**(71)Name of the Applicant.:**  
AMERICAN EXPRESS TRAVEL RELATED SERVICES  
COMPANY, INC.  
**Address of the Applicant.:**  
AMERICAN EXPRESS TOWER, WORLD FINANCIAL  
CENTRE, NEW YORK CITY, NY 10285-4900  
United States of America

**(72)Name of the Inventor.:**  
PATNODE, ROBERTA, L  
GEPPERT, JAMES, RICHARD  
HOYT, DAVID

**Abstract :**

A method of creating financial advice applications, comprising establishing a connection to a client computer having an application program comprising at least one module, wherein each module of said application program corresponds to a financial services function; receiving a request from said client computer for financial services data; establishing a connection to at least one financial service; transmitting said request for financial services data to at least one financial service; receiving and compiling said financial services data from said at least one financial service; and transmitting a result of compiling said financial services data to said client computer.

**Application No. IN/PCT/2002/514/DEL A****(22)Date of filing of Application :17/May/2002****(54)Title of the invention :Process For Selectively Producing Light Olefins.**

**(51)International classification:**C 07 C 4/06  
**(30)Priority Data:**  
**(31)Document No. :**PCT/US00/29692;09/437,408  
**(32)Date :**27/Oct/2000;10/Nov/1999  
**(33)Country :**United States of America;United States of America

**(71)Name of the Applicant.:**  
EXXONMOBIL CHEMICAL PATENTS, INC.  
**Address of the Applicant.:**  
P.O. BOX 2149, BAYTOWN, TEXAS 77522-2149  
United States of America

**(72)Name of the Inventor.:**  
PAUL KEVIN LADWIG  
TODD RICHARD STEFFENS

**Abstract :**

This information relates to a catalytic conversion process comprising: contacting a naphtha containing olefins with a catalytically effective amount of a catalyst, wherein the catalyst contains 10 to 80 wt.% of a molecular sieve having an average pore diameter less than about 0.7 nm, under catalytic conversion conditions in order to form a product, wherein the catalyst's Steam Activation Index is greater than 0.75.

**Application No. IN/PCT/2002/515/DEL A****(22)Date of filing of Application :17/May/2002****(54)Title of the invention :Vehicular Air-Conditioning Apparatus.**

(51)International classification:B 60 H 1/24  
(30)Priority Data:  
(31)Document No. :11/332506;PCT/IB00/01683  
(32)Date :24/Nov/1999;16/Nov/2000  
(33)Country :JAPAN;IB

(71)Name of the Applicant.:  
TOYOTA JIDOSHA KABUSHIKI KAISHA  
Address of the Applicant.:  
1, TOYOTA-CHO, TOYOTA-SHI, AICHI-KEN 471-8571  
JAPAN

(72)Name of the Inventor.:  
MATSUNO TAKAYOSHI  
OKUNO YASHINORI  
KATO YASUSHI  
HIGASHIURA TAKUYA

**Abstract :**

A vehicular air-conditioning apparatus that is applied to a vehicle in which an engine room (14) and a passenger compartment (15) are separated by a dash panel (1) and that has a conditioned air blowout opening (4) and a passenger compartment internal air suction opening (5) that are opened at the side of the passenger compartment (15), wherein the passenger compartment internal air suction opening (5) is disposed so that conditioned air is mainly circulated around an occupant's upper body, characterized in that the passenger compartment internal air suction opening (5) is formed of a partially open side wall of a meter cluster (17).

**Application No. IN/PCT/2002/516/DEL A****(22)Date of filing of Application :17/May/2002****(54)Title of the invention :Subsea Well Intervention Vessel.**

(51)International classification:E 21 B 15/02; E 21 B 7/12  
(30)Priority Data:  
(31)Document No. :PCT/GB00/04889;993045.3  
(32)Date :20/Dec/2000;23/Dec/1999  
(33)Country :United Kingdom;United Kingdom

(71)Name of the Applicant.:  
MULTI OPERATIONAL SERVICE TANKERS INC  
Address of the Applicant.:  
C/O MORGAN Y MORGAN, 53RD STREET,  
URBANIZACION OBARRIO SWISS TOWER, 16TH  
FLOOR  
PANAMA

(72)Name of the Inventor.:  
JONES COLIN  
HAYNES ANTHONY PATRICK

**Abstract :**

Application No. IN/PCT/2002/517/DEL A

(22) Date of filing of Application : 17/May/2002

(54) Title of the invention : Novel-IL-8-Receptor Antagonists.

(51) International classification: A 61 P 43/00; C 07 D 409/04; C 07 D 209/18

(30) Priority Data:

(31) Document No. : PCT/FR00/03278; 99/14837

(32) Date : 24/Nov/2000; 25/Nov/1999

(33) Country : France; France

(71) Name of the Applicant:

FOURNIER INDUSTRIE ET SANTE

Address of the Applicant:

42 RUE DE LONGVIC, 21300 CHENOVE

France

(72) Name of the Inventor.:

PAQUET JEAN-LUC

BARTH MARTINE

PRUNEAU DIDIER

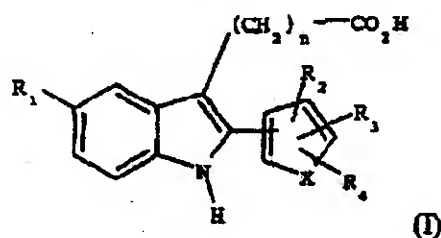
DODEY PIERRE

**Abstract :**

The present invention relates to novel compounds which inhibit the action of CXCR chemokines, such as IL-8, Gro, NAP-2, ENA-78 etc., on their receptors, to the process for their preparation and to their use for obtaining drugs.

According to the invention, said compounds are novel indole derivatives selected from the group consisting of;

i) the products of the formula



in which:

X is a double bond  $-C=C-$  or a sulfur atom;

$R_1$  is a halogen, a nitro group, a trifluoromethyl group or a  $C_1-C_3$  alkyl group;

$R_2$ ,  $R_3$  and  $R_4$  are each independently a hydrogen atom, a halogen, a  $C_1-C_3$  alkyl group, a nitro group, a trifluoromethyl group or a cyano group, or  $R_2$  and  $R_3$  form a fused aromatic ring together with the aromatic ring to which they are attached; and  $n$  is equal to 2 or 3; and

ii) esters of the compounds of formula I and addition salts of said compounds with a mineral or organic base.

**Application No. IN/PCT/2002/518/DEL A**

**(22) Date of filing of Application : 20/May/2002**

**(54) Title of the invention : Integration System Of Reflector Of Light Direction, Placed Into A Watertight Luminary Of Fluorescent Lamps.**

(51)International classification: F 21 V 31/00, F 21/7/10

**(30) Priority Data:**

(31) Document No. : PCT/GR01/00013;20000100097

(32) **Date :** 22/Mar/2001; 24/Mar/2000

(33)Country :Greece;Greece

**(71) Name of the Applicant:**

**PILUX & DANPEX A.G.**

**Address of the Applicant.:**

20 KATEHAKI STR, 5446 27 THESSALONKI  
Greece

(72) **Name of the Inventor.:**

PARAVANTSOS, ANTONIOS

**Abstract :**

A watertight luminary of fluorescent lamps with an integrated reflector of light direction Watertight luminary for fluorescent lamps (1) with incorporated catoptrical, or diffusive reflector (2) for light direction for the increase of its luminary efficiency. The metallic base (3) of the electrical components of the watertight luminary (1) is fixed at the bottom of the plastic base (4) so that it has smaller dimensions and, consequently, less material and lower assembling time comparing to the metallic base which would be fixed as a cover (8) in the open upper side of the plastic base. With the support of the metallic base (3) at the bottom of the plastic base (4) of the luminary, there is ample space in the upper open side of the plastic base (4) that allows the placement of the reflector (2) at the optimal distance from the fluorescent lamps (5) so that the desirable concentration and direction of light can be achieved. The reflector (2) for the light direction is shaped from plastic film of at least one reflective surface in an integrate form. The reduction of construction cost of the reflector (2) and of the metallic base (3) of electrical components in combination with the appropriate distance of the reflector (2) from the fluorescent lamps (5), allows the standard and permanent incorporation of the reflector (2) for light direction in the watertight fluorescent luminary (1) and results in the increase of its luminary efficiency by 15%.

**Application No. IN/PCT/2002/519/DEL A**

**(22) Date of filing of Application : 20/May/2002**

**(54) Title of the invention : Imaging Table Mount.**

**(SI)International classification:**A 47 B 23/00

**(30) Priority Data:**

(31) Document No. : PCT/US01/31560;09/687,996

(32) **Date :** 10/Oct/2001; 13/Oct/2000

(33) **Country :** United States of America; United States of America

**(71) Name of the Applicant:**

GE MEDICAL SYSTEM GLOBAL TECHNOLOGY  
COMPANY LLC

**Address of the Applicant:**

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WAUKESHA, WI 53188  
United States of America

(72) Name of the Inventor.:

ODELL ROBERT W.

**Abstract :**

A member (50) is adapted to be move along a table (20) without disturbing a patient (P) lying on a pad (130) on the table. The member includes lips (52 and 72) which are joined by a cross member (90) which passes under the table (20).

Application No. IN/PCT/2002/520/DEL A

(22) Date of filing of Application : 31/May/2002

(54) Title of the invention : *Einstein-Bohr End New Atomic Scale Physics Electric Field Neutrinos And Electrons In Conversions ,Perpetual Motion .*

(51) International classification: G21K 1/00

(30) Priority Data:

(31) Document No. : 99/56288; PCT/IB00/00843

(32) Date : 03/Nov/1999; 22/Jun/2000

(33) Country : France; IB

(71) Name of the Applicant.:

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France

(72) Name of the Inventor.:

DR. Y. ZAGYANSKY

**Abstract :**

EINSTEIN-BOHR PHYSICS END (WO 99/56288) YIELDS ALREADY TITANIC RESULT. RELATIVE DEFORMATIONS OF ELECTRIC FIELDS CREATE UNKNOWN FORCE PREVENTING ELECTRON TO NUCLEUS (IMMOVABLE). AS RESULT, UNCERTAINTY, QUANTIZATION, WAVE-PARTICLE DUALITY AND REIGNING PROBABILITY ARE ELIMINATED. ORBIT DISCONTINUITIES ARE CONSEQUENCE OF FUNDAMENTAL ORBIT EXISTENCE, CREATED BY EQUILIBRIUM BETWEEN PHYSICAL FORCES AND SPACE ACCORD WITH EXCITED STATE, WHERE AS RESULT, OSCILLATING WAVE-LIKE ELECTRON MOVEMENT IS QUASI-STATIONARY DURING TRANSITION. ?MICHELSON? EXPERIMENTS ARE UTOPIA, WITH THEORY OF RELATIVITY CONSEQUENCES. ELECTRON:  $e(-)$  AND POSITION:  $e(+)$  CONVERSIONS INTO ELECTRONIC NEUTRINO (NU) WITH GAMMA RAYS ARE WITHOUT MASS LOSS AND THEY DETERMINE ELECTRIC (AND GRAVITATIONAL) DISTANT FORCE, MAKING REAL MATERIALIZATION OF ELECTRIC AND GRAVITATIONAL FIELDS. COSMIC RAYS (OF PARTICLES) ARE SENT BY OTHER UNIVERSES BUT LIGHT CANNOT PASS BETWEEN UNIVERSES (WITHOUT NU). LIGHT CANNOT LEAVE UNIVERSE AND REFLECTS FROM ITS CONFINES (WITHOUT NU BEHIND). 2ND THERMODYNAMIC LAW IS NOT VALID. BIG BANG IS DUE TO CONCENTRATED LIGHT AFTER CONSECUTIVE UNIVERSE CONTRACTION. NEUTRON CONTAINS:  $e(-)$ ,  $e(+)$ , GLUON, NEUTRO ( $N^0$ -NEW VERY INERT ?NEUTRON? STAR PARTICLE). PLANETS ARE BORN DUE TO SUN BINARY EXPLOSION (SUPEMOVA) WHERE THEIR  $N^0$  NUCLEI ATTACHED (MELTED AT EXPLOSION) MANTLE, THAT EXPLAIN OCCENTRICITY. 2 MAGNETIC MOMENTA PRESENCE (OF  $N^0$  NUCLEUS WITH RAPID ROTATION AND OF MANTLE) WITH SEPARATED CENTERS IS PROPERTY OF ALL PLANETS AND SUN, HAVING PRECESSION AND NUTATIONS DETERMINING SEISMS AND EQUATORIAL STORMS. PRACTICAL CONSEQUENCES ARE UNTHINKABLE BUT ASK INVESTMENT. NU DETECTION BY GAMMA IRRADIATION (NU TELESCOPE). PERPETUAL MOTION, OBTAINED IN ELIMINATING THE FIELD., BASED ON NUS, BY THEIR TRANSFORMATION INTO  $e(-)$  WITH CHARGE SEPARATIONS WITHOUT FIELD (?FLYING CARPETS? ALIKE). OBTAINED NU IS FOR TARGET (TO BOMBARD) SUPPORT AND TO STOCK CHARGED PARTICLES. COORDINATES AND VELOCITIES MEASUREMENTS AT THE SAME TIME. SEISM PREDICTIONS, VOLCANOS ELIMINATION, ISLAND CREATION, CLIMATE PREDICTION (SOLVED SUNSPOTS), BIG BANG ENERGY USE.



**Application No. IN/PCT/2002/521/DEL A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : Stack Structure .****(51) International classification:** F23J 15/00 , B01D 53/62**(30) Priority Data:****(31) Document No. :** PCT/JP00/08146; 2000-203546; 2000-79042; 11-330600**(32) Date :**

17/Nov/2000; 05/Jul/2000; 21/Mar/2000; 19/Nov/1999

**(33) Country :** JAPAN; JAPAN; JAPAN; JAPAN**(71) Name of the Applicant.:**

KABUSHIKI KAISHA MARUKI

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816-0912

JAPAN

**(72) Name of the Inventor.:**

KITANO YOSHIKAZU

**Abstract :**

A stack structure capable of preventing carbon dioxide causing global warming from being exhausted into the atmosphere, wherein: a porous stack is disposed in a pipe body having a base end communicating with a combustion chamber, a tip end with an exhaust gas port provided thereto, and a combustion gas flow path formed therein; or the pipe body is formed by bending it in an inverted U-shape, and a porous stack is disposed in the combustion gas flow path.

**Application No. IN/PCT/2002/522/DEL A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : Gear Mechanism Of Power Transmitting System .****(51) International classification:** F02B 75/06**(30) Priority Data:****(31) Document No. :** PCT/IB00/01515; 2000-1943; 11/311637**(32) Date :** 23/Oct/2000; 07/Jan/2000; 01/Nov/1999**(33) Country :** JAPAN; JAPAN; JAPAN**(71) Name of the Applicant.:**

TOYOTA JIDOSHA KABUSHIKI KAISHA

**Address of the Applicant.:**

1, TOYOTA - CHO , TOYOTA - SHI AICHI-KEN 471-8571,

JAPAN

**(72) Name of the Inventor.:**

HORITA YUJI

HORI KOUHEI

ISHIKAWA MAKOTO

HOSOI HIROSHI

**Abstract :**

A gear mechanism of a power transmitting system comprising first and second rotating members (31; 30,32) disposed coaxially with each other, and a damping mechanism interposed therebetween, wherein said damping mechanism includes a damping member (34) that generates damping force for limiting relative rotation between the first and second rotating members (31; 30, 32), and at least one elastic member (55) that elastically deforms mainly when an angle of relative rotation between the first and second rotating members exceeds a predetermined rotational angle, so as to apply elastic force onto the rotating members (31; 30,32) in a direction opposite to that of the relative rotation.

**Application No. IN/PCT/2002/523/DEL A****(22) Date of filing of Application : 21/May/2002****(54) Title of the invention : Medical Table Brake.****(51) International classification:** A 61 G 13/02; A 61 G 13/10**(30) Priority Data:****(31) Document No. :** PCT/US01/28804; 09/688,523**(32) Date :** 14/Sep/2001; 16/Oct/2000**(33) Country :** United States of America; United States of America**(71) Name of the Applicant.:**GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY  
COMPANY LLC**Address of the Applicant.:**2100 NORTH GRANDVIEW BOULEVARD WAUKESHA  
WISCONSIN 53188  
United States of America**(72) Name of the Inventor.:**PATTEE JEFFREY WAYNE  
ROBBINS DAVID M.  
KARASUS BRETT ALAN**Abstract :**

A brake for a medical table (20) includes a speed detector (40) for determining when the table speed is greater than a threshold value. If the table is moving at greater than the threshold value, the brake is prevented from engaging to prevent the patient from being jolted. When the brake is engaged, teeth (91-95) of a brake tooth member (90) mesh with a groove set assembly (70). The teeth have central planes (A). Each of the teeth has sidewalls that define planes (P1 and P2) which make acute angles with respect to the respective central planes. A position detector (110) warns an operator when the brake is not engaged. A linear bearing assembly (125) guides the brake into the engaged position. A pawl assembly (100) hold the brake in the engaged position until released.

**Application No. IN/PCT/2002/524/DEL A****(22) Date of filing of Application : 22/May/2002****(54) Title of the invention : Method Of Treating Aqueous Effluents Containing Peroxidized Compounds.****(51) International classification:** C02F 3/28**(30) Priority Data:****(31) Document No. :** PCT/FR00/03040; 99/14015**(32) Date :** 31/Oct/2000; 03/Nov/1999**(33) Country :** France; France**(71) Name of the Applicant.:**

RHODIA POLYAMIDE INTERMEDIATES

**Address of the Applicant.:**25 QUAI PAUL DOUMER, F-92408 COURBEVOIE CEDEX  
France**(72) Name of the Inventor.:**FREDERIC BAUD-GRASSET  
SERGE VERACINI  
AGNES PILAS-BEGUE**Abstract :**

The invention concerns a method for purifying aqueous effluents containing in particular peroxidized compounds. More particularly, it concerns a method for purifying aqueous effluents comprising an anaerobic biological decomposition of compounds contained in the effluents. The effluents are treated, prior to their anaerobic biological decomposition, in a deperoxidizing step to reduce the peroxide concentration and prevent harmful effects of said compounds on the enzymes or bacteria.

**Application No. IN/PCT/2002/525/DEL A****(22)Date of filing of Application :22/May/2002****(54)Title of the invention :System And Method Of Templating Specific Human Voices.****(51)International classification:**G10L 21/00**(30)Priority Data:****(31)Document No. :**PCT/US00/32328;60/167, 168**(32)Date :**23/Nov/2000;23/Dec/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

KEOUGH STEVEN J.

KEOUGH KATHERINE AXIA

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55104

United States of America

470 MISSISSIPPI RIVER BLVD. NORTH ST. PAUL MN.  
55104

United States of America

**(72)Name of the Inventor.:**

KEOUGH STEVEN J.

KEOUGH KATHERINE AXIA

**Abstract :**

Systems and methods are disclosed to capture (103) an enabling portion of a voice and then create a voice template (127) or profile signal which may be combined at a later time with noise of another origin to reconstitute the original voice. Such reconstituted voice may then be used to speak any form or content provided via digital input thereto, and to say content which was not spoken in an original form by the original voice. Products and processes for online use are disclosed, as are certain business methods and industry applications.

**Application No. IN/PCT/2002/526/DEL A****(22)Date of filing of Application :22/May/2002****(54)Title of the invention :Mobile Imaging Table Pivot Mechanism.****(51)International classification:**A 61 G 13/00**(30)Priority Data:****(31)Document No. :**PCT/US01/31921;09/688,518**(32)Date :**12/Oct/2001;16/Oct/2000**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY  
COMPANY LLC**Address of the Applicant.:**3000 NORTH GRANDVIEW BOULEVARD, WAUKESHA,  
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United States of America

**(72)Name of the Inventor.:**

HANOVER BARRY KEITH

PATTEE JEFFREY WAYNE

**Abstract :**

A patient table (100) with a table pivot member (108) is disclosed. A patient support surface (102) supporting a patient during a medical procedure is supported by a base (106) which includes telescopic members (114) to move the patient support surface vertically. A table pivot member (108) connects the patient support surface (102) to the base. The table pivot member (108) enables the patient support surface (102) to pivot in at least one of tilt and lateral roll directions with respect to the base (106). An actuating element (110) composed of at least two actuators is connected between the patient support surface (102) and the base (106) to drive the patient support surface (102) in at least one of tilt or lateral roll directions.

**Application No. IN/PCT/2002/527/DEL A****(22)Date of filing of Application :22/May/2002****(54)Title of the invention :Device For Treating Sheet-Like Material Using Pressuring Water Jets.****(51)International classification:**B 05B1/14; D04H 1/46; B 05B 3/10; 1/02; B26F 1/26**(30)Priority Data:****(31)Document No. :**PCT/FR00/03187;99.15946**(32)Date :**16/Nov/2000;17/Dec/1999**(33)Country :**France;France**(71)Name of the Applicant:**

RIETER PERFOJET

**Address of the Applicant:**ZA PRE MILLET, I 38330 MONTBONNOT  
France**(72)Name of the Inventor.:**

ROCHE BRUNO

NOELLE FREDERIC

**Abstract :**

A device for treating sheet-like material using water jets/needles, comprising a pressurized water supply body consisting of a feed chamber extending along the entire length of said body and inside which pressurized water is guided through a filter; and a distribution area distributing pressurized water along the entire length of treatment, comprising a plate (7) which is provided with microperforations, whereby the holes thereof define water needles which are directed against the surface of the material which is to be treated. The invention is characterized in that the microperforations (15) are made inside inserts (13) which are made of a hard material, set inside pre-made holes (12) which are carried out along the full thickness of the plate.

**Application No. IN/PCT/2002/528/DEL A****(22)Date of filing of Application :22/May/2002****(54)Title of the invention :Combustion System And Process For Rice Hulls And Other Combustible Material.****(51)International classification:**F 23 B 7/00**(30)Priority Data:****(31)Document No. :**PCT/US99/28037**(32)Date :**24/Nov/1999**(33)Country :**United States of America**(71)Name of the Applicant.:**

AGRIELECTRIC POWER INC.

**Address of the Applicant:**315 HIGHWAY 397, LAKE CHARLES, LA 70615  
United States of America**(72)Name of the Inventor.:**

WEISS HAROLD CHARLES JR.

RICE WILBUR LAMAR

**Abstract :**

An environmentally attractive combustion system and process are provided with an efficient furnace in a boiler train equipped with a special set of burners to completely combust fuel comprising rice hulls or other combustible material. Desirably, the furnace is designed and arranged to prevent the rice hulls or other combustible material from impinging, corroding, or otherwise damaging the furnace walls. An air heater provides heated air to preheat and transport the fuel. Eductors preferably comprising a venturi devices, combine primary air comprising part of the heated air with the fuel. A primary conduit provides a scroll pattern pathway to pneumatically convey and swirl the heated fuel about the inlets of the burners. Impellers mix secondary air comprising another portion of the heated air with the preheated fuel about the burners. The secondary air is regulated by an air register. Advantageously, the economical combustion system and process control the combustion temperature and residence time of combustion of the rice hulls or other combustible material to minimize the formation of abrasive crystalline silicon dioxide.

Application No. IN/PCT/2002/529/DEL A

(22)Date of filing of Application :22/May/2002

(54)Title of the invention :Dual Stage Telescoping Imaging Table.

(51)International classification: A 61 G 1 3/00; A 61 G 13/02;  
A 61 G 13/12

(30)Priority Data:

(31)Document No. :PCT/US01/31561;09/688,522

(32)Date :11/Oct/2001;16/Oct/2000

(33)Country :United States of America;United States of  
America

(71)Name of the Applicant.:

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COMPANY LLC

Address of the Applicant.:

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WISCONSIN 53188

United States of America

(72)Name of the Inventor.:

PATTEE JEFFREY WAYNE

**Abstract :**

A system and method for positioning a medical imaging table in an imaging apparatus is presented. The imaging table (100) includes a fixed plate (130), a second stage (120), a first stage (110) and a gear system (200). The first stage (110) includes an imaging tabletop (115). The gear system (200) includes a pinion gear (129) and gear racks mounted on the first and second stage (119), (135). The stages (110), (120) of the system are geared together to move simultaneously. The imaging table (100) is able to extend and or retract smoothly because the stages are geared together. Further, because the imaging table (100) extends through a first stage (110), a second stage (120), and a fixed plate (130), the tabletop (115) of the imaging table is more compact with a larger imaging area.

Application No. IN/PCT/2002/530/DEL A

(22)Date of filing of Application :23/May/2002

(54)Title of the invention :Bleach Activators With Improved Solubility .

(51)International classification:C11D 3/39

(30)Priority Data:

(31)Document No. :PCT/US00/34699;60/172,743

(32)Date :20/Dec/2000;20/Dec/1999

(33)Country :United States of America;United States of  
America

(71)Name of the Applicant.:

THE PROCTER &amp; THE GAMBLE COMPANY

Address of the Applicant.:

ONE PROCTER & GAMBLE PLAZA CINCINNATI OHIO  
45202

United States of America

(72)Name of the Inventor.:

BROWN, ANGLICA, DAMARIS  
PREISSNER, KARL, MATTHEW**Abstract :**

Bleach activator particle for use in detergent compositions, comprising a bleach activator having the general formula (I): wherein R is an alkyl group containing from about 5 to about 18 carbon atoms wherein the longest linear alkyl chain extending from and including the carbonyl carbon contains from about 6 to about 10 carbon atoms and L is a leaving group, the conjugate acid of which has a pKa in the range of from about 4 to about 13, preferably from about 6 to about 11, most preferably from about 8 to about 11; and a binder material comprising from about 0.1 % to about 15 %, by weight of the particle, of an inorganic salt capable of absorbing water of hydration.

**Application No. IN/PCT/2002/531/DEL A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Delivery System Having Encapsulated Porous Carrier Loaded With Additives, Particularly Detergent Additives Such As Perfumes.****(51)International classification:**C 11 D 17/00; 3/50; 3/12, 3/22**(30)Priority Data:****(31)Document No. :**60/208,629;60/169,024;PCT/IB00/01755**(32)Date :**01/Jun/2000;03/Dec/1999;27/Nov/2000**(33)Country :**United States of America;United States of America, IB**(71)Name of the Applicant:**

THE PROCTER &amp; GAMBLE COMPANY

**Address of the Applicant:**

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United States of America

**(72)Name of the Inventor.:**

MARIN EDGAR MANUE

VELAZQUEZ JOSE MARIA

DIHORA, JITEN, ODHAVJI

GARCIA GONAZALEZ ROBERTO

SAINI GAURAV

**Abstract :**

The present invention relates to a delivery system for additives, which are incorporated in a variety of consumer products, including detergents and cleaning compositions, room deodorizers, insecticidal compositions, carpet cleaners and deodorizers, wherein the additive is protected from release until exposed to a wet or moist environment. Specifically, the present additive delivery system is a particle comprising a core of porous carrier material containing an additive, such as a perfume, in its core; a first coating of a hydrophobic or encapsulating solid core; and a second coating of a water-soluble or water-dispersible, but oil-insoluble, material, such as starch or modified starch, encapsulating the hydrophobic-oil coated core. The present delivery particle can be used to deliver laundry and cleaning agents either to or through the wash cycle. A laundry and cleaning delivery particle according to the present invention effectively delivers perfume ingredients through the wash to a fabric surface.

**Application No. IN/PCT/2002/532/DEL A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Laundry And Cleaning And /Or Fabric Care Composition .****(51)International classification:**C11D 3/50, D06M 13/00**(30)Priority Data:****(31)Document No. :**PCT/US00/34833**(32)Date :**20/Dec/2000**(33)Country :**UNITED STATES OF AMERICA**(71)Name of the Applicant:**

THE PROCTER &amp; GAMBLE COMPANY

**Address of the Applicant:**

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UNITED STATES OF AMERICA

**(72)Name of the Inventor.:**

SMETS, JOHAN

WEVERS, JEAN

SAINI, GAURAV

ROSALDO, RAFAEL, TRUJILLO

**Abstract :**

THERE IS PROVIDED A LAUNDRY AND /OR FABRIC CARE COMPOSITION COMPRISING A BENEFIT AGENT WHEREBY SAID BENEFIT AGENT IS CARRIED WITH A CARRIER MATERIAL, THEREBY PROVIDING AN ENHANCED DEPOSITION ON THE TREATED FABRIC OF THE BENEFIT AGENT.

**Application No. IN/PCT/2002/533/DEL A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Device System And Method For Conducting A Transaction Using A Translucent, Transparent Or Semitransparent Transaction Card.****(51)International classification:**G 06 K 7/08; G 06 K 7/10**(30)Priority Data:****(31)Document No. :**PCT/US00/32404;60/168,894**(32)Date :**29/Nov/2000;03/Dec/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

CITIBANK, N.A.

**Address of the Applicant.:**

909 THIRD AVENUE, 28TH FLOOR, NEW YORK, NY-10022

United States of America

**(72)Name of the Inventor.:**

MIKAEL COCCO

**Abstract :**

A device, system, and method for performing a transaction using a translucent, transparent or semitransparent transaction card with a transaction card sensing device includes a transaction card of a material capable of passing visible light, such as clear PVC, and an infrared filter which is capable of passing visible light while preventing passage of infrared light in a predetermined range of wavelengths emitted by an infrared light source of the transaction card sensing device. When the transaction card is dipped in the card sensing device, the infrared light filter interrupts the passage of infrared light from the infrared light emitting source to an infrared light sensor of the transaction card sensing device, and the infrared light sensor generates a signal indicative of the presence of the transaction card in the card sensing device in response to the interruption.

**Application No. IN/PCT/2002/534/DEL A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :A System Of Reflectors And Base Of Parabolic Fluorescent Luminary With Fluorescent Lamps.****(51)International classification:**F21V 15/00; F 21 Y 103/00**(30)Priority Data:****(31)Document No. :**PCT/GR01/00037;20000100372**(32)Date :**01/Oct/2001; 26/Oct/2000**(33)Country :**Greece;Greece**(71)Name of the Applicant.:**

PILUX &amp; DANPEX AG.

**Address of the Applicant.:**20 KATEHAKI STR. 546 27 THESSALONKI  
Greece**(72)Name of the Inventor.:**

PARAVANTSOS, ANTONIOS

**Abstract :**

SYSTEM OF REFLECTOR AND BASE OF PARABOLIC FLUORESCENT LUMINARY FOR CONCENTRATING AND GUIDING THE LIGHT. AIMED TO THE IMPROVING OF ITS LIGHT OUTPUT AND PARALLEL REDUCTION OF THE CONSTRUCTION COST. ON THE SUPPORT BASE (1) OF THE ELECTRICAL COMPONENTS OF THE LIMINARY, THE TWO OF THE FOUR SIDE WALLS ARE MADE OF SEPARATE PLASTIC ACCESSORIES (6), WHICH ARE ASSEMBLED BY EASY AND QUICK SNAPPING ON THE MAIN BODY (5) OF IRON SHEET BASE (1). THE PLASTIC SIDE WALLS (6) OF THE BASE (1) HAVE SPECIFIC CAVITIES AND PROJECTIONS (11,12) IN ORDER TO MAINTAIN A GRID OF PARABOLIC REFLECTORS (2,3) WHICH IS SEPARATE PARTS. THE ONE PART IS THE MAIN PARABOLIC COMPONENTS (2) OF DIRECTING THE LIGHT, WHICH ARE PLACED UNDER THE FLUORESCENT LAMPS (4), WHILE THE OTHER IS THE UPPER CROSS-MADE GRID (3), WHICH CAN BE REMOVED FROM THE LUMINARY INDEPENDENTLY OF THE MAIN PARABOLIC COMPONENTS (2) DO NOT NEED TO HAVE OPENING ALONG THE LAMPS (4). AS A RESULT, THEIR CONTINUOUS PARABOLIC SHAPE IMPROVES SIGNIFICANTLY THE LIGHT OUTPUT OF THE PARABOLIC LUMINARY.

**Application No. IN/PCT/2002/535/DEL A****(22)Date of filing of Application :23/May/2002****(54)Title of the invention :Gas Assisted Laser Cutting Of Thin And Fragile Materials .****(51)International classification:**B23K 26/14, B23K 26/38**(30)Priority Data:****(31)Document No. :**PCT/US01/40787;09 696,161**(32)Date :**22/May/2001;12/Oct/2000**(33)Country :**United States of America, United States of America**(71)Name of the Applicant.:**

ASE AMERICAS INC.

**Address of the Applicant.:**MIDDLESEX TECHNOLOGY CENTER 4 SUBURBAN PARK  
DRIVE BILLERICA MASSACHUSETTS 01821  
United States of America**(72)Name of the Inventor.:**

PIWCZYK, BERNHARD P.

**Abstract :**

The invention provides an improved method and apparatus for laser cutting a thin fragile material using an assist gas to remove molten material and laser-generated debris which is characterized by the high velocity assist gas exerting substantially zero force on the material being cut. The invention also provides an improved form of gas assist laser gas assist nozzle which is shaped to achieve a supersonic gas flow velocity that is used advantageously to effect rapid removal of ejected gas and other materials

**Application No. IN/PCT/2002/536/DEL A****(22)Date of filing of Application :24/May/2002****(54)Title of the invention :Carbonization Of Cellulosic Fibrous Materials In The Presence Of An Organosillico Compound.****(51)International classification:**D01F 9/16, D01F 11/14**(30)Priority Data:****(31)Document No. :**99/15329;PCT/FR00/03389**(32)Date :**06/Dec/1999;05/Dec/2000**(33)Country :**France;France**(71)Name of the Applicant.:**

SNECMA PROPULSION SOLIDE

**Address of the Applicant.:**LE HAILLAN LES CINQ CHEMINS 33187 LE HAILLAN  
CEDEX  
France**(72)Name of the Inventor.:**

OLRY PIERRE

PLAISANTIN HERVE

SYLVIE LOISON

PAILLER, RENE

**Abstract :**

The subject of the present invention is a method of obtaining fibrous carbon materials by carbonization of cellulosic fibrous materials formed out continuously or batchwise in the presence of at least one organosilicon compound. Characteristically, said organosilicon compound is chosen from the family of crosslinked, cyclic or branched oligomers and resins, which have a average molecular mass of between 500 and 10 000 and which consist of units of formula SiO<sub>4</sub> (called Q<sub>4</sub> units) and units of formula SiO<sub>x</sub>R<sub>3-x</sub> (OR)<sub>2</sub>.



**Application No. IN/PCT/2002/537/DEL A****(22)Date of filing of Application :24/May/2002****(54)Title of the invention :Carbonization Of Celluloisic Fibrous Materials In The Presence Of An Organosilicon Compound.****(51)International classification:**A 01 F 9/16 ; A 01 F 11/14**(30)Priority Data:****(31)Document No. :**PCT/FR00/03388;99 15327**(32)Date :**05/Dec/2002;06/Dec/1999**(33)Country :**France;France**(71)Name of the Applicant.:**

SNECMA PROPULSION SOLIDE

**Address of the Applicant.:**

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CEDEX

France

**(72)Name of the Inventor.:**

OLRY PIERRE

SYLVIE LOISON

KAZAKOV MARK

TRUCHNICOW ALENTIN

**Abstract :**

The subject of the present invention is a method of obtaining fibrous carbon materials by carbonization of cellulosic fibrous materials carried out continuously or batchwise in the presence of at least one organosilicon compound. Characteristically, said organosilicon compound is chosen from the family of cyclic, linear or branched polyhydrosiloxanes which are substituted with methyl and/or phenyl groups and the number-average molecular mass of which is between 250 and 10 000, advantageously between 2 500 and 5 000.

**Application No. IN/PCT/2002/538/DEL A****(22)Date of filing of Application :27/May/2002****(54)Title of the invention :Dragline Bucket Rigging And Control Apparatus.****(51)International classification:**E 02 F 3/48; 3/58; E 21 C 47/02**(30)Priority Data:****(31)Document No. :**PR 0067;PQ 7400;PCT/AU00/01336;PQ 6348;PQ 3846**(32)Date :**

12/Sep/2000;10/May/2000;31/Oct/2000;20/Mar/2000;03/Nov/1999

**(33)Country :**

Australia;Australia;Australia;Australia;Australia

**(71)Name of the Applicant.:**

JEFFREY CRAIG ROWLANDS

**Address of the Applicant.:**

C/-CMTE, LEVEL 2, HAWKEN ENGINEERING BUILDING,

THE UNIVERSITY OF QUEENSLAND, BRISBANE,

QUEENSLAND 4072

Australia

**(72)Name of the Inventor.:**

JEFFREY CRAIG ROWLANDS

**Abstract :**

A large electric dragline having a housing (35) and boom (37) is provided with spaced apart in-line sheaves (34) and (36) at boom point to separate hoist ropes (31) and (32) which are led to the front and rear of bucket (30) respectively. Differential hoist rope control allows accurate and continuous adjustment of the bucket carry angle during all modes of operation. Also described is a computer control system giving continuous accurate control of carry angle by differential hoist rope operation with manual selection of mode of operation.

**Application No. IN/PCT/2002/539/DEL A****(22)Date of filing of Application :27/May/2002****(54)Title of the invention :Tire/Wheel Assembly Assembling Method Tire/Wheel Assembly Assembling Line Wheel And Wheel Manufacturing Method.****(51)International classification:**B60B 3/00, 23/60, F16F 15/32**(30)Priority Data:****(31)Document No. :**2000-366572;2000-366571;2000-366445;2000-366636;2000-388041;2000-331889;PCT/JP01/06266**(32)Date :**

01/Dec/2000;01/Dec/2000;01/Dec/2000;01/Dec/2000;21/Dec/2000;31/Oct/2000;19/Jul/2001

**(33)Country :**

JAPAN;JAPAN;JAPAN;JAPAN;JAPAN;Japan;Japan

**(71)Name of the Applicant.:**

HONDA GIKEN KOGYO KABUSHIKI KAISHA

**Address of the Applicant.:**1-1, MINAMIAOYAMA 2-CHOME MINATO-KU  
TOKYO - 107 8556  
JAPAN**(72)Name of the Inventor.:**

MIKIO KASHIWA

SHIRO SATO

HIDEMI ICHINOSE

SHINICHI WATANABE

HISAMITSU TAKAGI

**Abstract :**

**PROBLEM** To provide a vehicular wheel that may make the heavy point of static unbalance coincide with the air valve attachment position using just standard specification items and without having to prepare a plurality of types of air valves according to weight, and that enables omission or simplification of the edge treatment process with regard to the air valve attachment hole. **[SOLUTION MEANS]** an arrangement is provided with an annular air valve seat 3 that is fitted and fixed inside an air valve attachment hole 1d, which has been bored in the rim 1b, and wherein an air valve 2 is attached to the air valve seat 3. Further, the air valve seat 3 is arranged from a material that is greater in specific gravity than the material of the main body 1a of the wheel 1. **[CHOSEN DRAWING]**

**Application No. IN/PCT/2002/540/DEL A****(22)Date of filing of Application :27/May/2002****(54)Title of the invention :Arylamine Derivatives And Their Use As Anti-Telomerase Agent.****(51)International classification:**A 61 K 31/53; C 07 D 251/18; C 07 D 251/54**(30)Priority Data:****(31)Document No. :**PCT/FR00/03310;00/10561;99/15031**(32)Date :**27/Nov/2000;11/Aug/2000;29/Nov/1999**(33)Country :**France;France;France**(71)Name of the Applicant.:**

AVENTIS PHARMA S.A.

**Address of the Applicant.:**20 AVENUE RAYMOND ARON, F-92160 ANTONY  
France**(72)Name of the Inventor.:**

PATRICK MAILLIET

JEAN-FRANCOIS RIOU

JEAN-LOUIS MERGNY

ABDELAZIZE LAOUI

FRANCOIS LAVELLE

ODILE PETITGENET

**Abstract :**

The invention concerns cancer therapy and novel anti-cancer agents having a very particular mechanism. The invention also concerns novel chemical compounds and their therapeutic use in humans

**Application No. IN/PCT/2002/541/DEL A****(22)Date of filing of Application :28/May/2002****(54)Title of the invention :Stethoscope Transducer.****(51)International classification:**A 61 B 7/04**(30)Priority Data:****(31)Document No. :**PCT/US00/41633;09/431,717**(32)Date :**27/Oct/2000;28/Oct/1999**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

CLIVE SMITH

**Address of the Applicant.:**6571 S. PONTIAC COURT, ENGLEWOOD, COLORADO  
80111

United States of America

**(72)Name of the Inventor.:**

CLIVE SMITH

**Abstract :**

A ACOUSTIC-TO-ELECTRICAL TRANSDUCER FOR SENSING BODY SOUNDS IS DISCLOSED. THE TRANSDUCER COMPRISES A CAPACITIVE SENSOR. WHEREBY A STETHOSCOPE DIAPHRAGM (2) FORM ONE PLATE (3) OF A CAPACITOR, WITH THE SECOND PLATE OF THE CAPACITOR BEING CO-PLANNER TO THE DIAPHRAGM(2). THE CAPACITANCE OF THE TWO PLATES VARIES WITH THE DISTANCE BETWEEN THEM, SAID DISTANCE BEING MODIFIED BY MOTION OF THE DIAPHRAGM IN RESPONSE TO SOUND PRESSURE. THE SENSOR CIRCUITRY (1) MANUFACTURING METHODS AND IMPROVEMENTS ARE DISCLOSED.

**Application No. IN/PCT/2002/542/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Method For Identifying A Data Region Of A Document.****(51)International classification:**G 06 F 3/00; G 06 F 3/14**(30)Priority Data:****(31)Document No. :**133230;PCT/US00/32676**(32)Date :**30/Nov/1999;30/Nov/2000**(33)Country :**Israel;United States of America**(71)Name of the Applicant.:**

ANYSOFT, LTD.

**Address of the Applicant.:**100 CAMBRIDGE PARK DRIVE, CAMBRIDGE, MA 02140  
United States of America**(72)Name of the Inventor.:**

KRASNOPOLSKY, DIMITROY

LOUKIANTCHENKO, VLAD

MAKAROV, IGOR

DOGRAMADGI, BORIS

SHPILBERG, ILYA

VAINDINER ALEX

POREH, ILLAN

**Abstract :**

There is provided a unique method for accurately identifying and locating a data region (60) of a document or base area (70) that has changed its visual representation. Optionally, data from the data region is acquired for further processing.

**Application No. IN/PCT/2002/543/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Peptide  $\hat{A}$ -Turn Mimetic Compounds And Process For Making Them.****(51)International classification:**A 61 K 31/498; C 07 D 487/04**(30)Priority Data:****(31)Document No. :**60/172,823;PCT/US00/34832**(32)Date :**21/Dec/1999;20/Dec/2000**(33)Country :**United States of America;United States of America**(71)Name of the Applicant.:**

THE PROCTER &amp; GAMBLE COMPANY

**Address of the Applicant.:**

ONE PROCTER &amp; GAMBLE PLAZA, CINCINNATI, OH 45202

United States of America

**(72)Name of the Inventor.:**

GOLEBIOWSKI, ADAM

KLOPFENSTEIN, SEAN, REES

**Abstract :**

The subject invention involves compounds having structure (I), wherein: R1 is hydrogen or alkyl; and R2 is selected from hydrogen, alkyl, aryl, heterocyclyl, carboxy and its esters and amides; or R1 and R2 are attached and are together alkylene or heteroalkylene; R4 is selected from aryl, heteroaryl, and a,bunsaturated conjugated aryl or heteroaryl; and R5 is selected from hydrogen, alkyl, aryl, and heterocyclyl; and an optical isomer, diastereomer, or enantiomer thereof; a salt, hydrate, ester, amide or imide thereof. The subject invention also includes libraries of such compounds, and processes for making the subject compounds and libraries.

**Application No. IN/PCT/2002/544/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :N-(1-Phenylethyl)-5-Phenyl-Imidazole-2-Amine Compounds, Their Compositions And Uses.****(51)International classification:**C 07 D 233/54; A 61 K 31/4402**(30)Priority Data:****(31)Document No. :**PCT/US00/33820; 60/172,709; 60/192,811**(32)Date :**14/Dec/2000; 17/Dec/1999; 29/Apr/2000**(33)Country :**United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

THE PROCTER &amp; GAMBLE COMPANY

**Address of the Applicant.:**

ONE PROCTER &amp; GAMBLE PLAZA, CINCINNATI, OH 45202

United States of America

**(72)Name of the Inventor.:**

LIU, SONG

BLASS, BENJAMIN, ERIC

PORTLOCK, DAVID, EDWARD

**Abstract :**

The subject invention involves compounds having structure wherein each R1 is independently alkyl, aryl, or heterocycle; each R2, R4, R7, and R8 is independently hydrogen or other substituent; A is aryl or heterocycle; and pharmaceutically acceptable forms thereof. The subject invention also involves pharmaceutical compositions containing such compounds, and methods for treating or preventing diseases or disorders using such compounds.

**Application No. IN/PCT/2002/545/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Hot Rolling Thin Strip****(51)International classification:**B 21 B 1/46; 15/00**(30)Priority Data:****(31)Document No. :**PCT/AU00/01477;PQ 4363**(32)Date :**30/Nov/2000;01/Dec/1999**(33)Country :**Australia;Australia**(71)Name of the Applicant.:**

CASTRIP, LLC

**Address of the Applicant.:**C/O NUCOR, 2100 REXFORD ROAD, CHARLOTTE, N.C.  
28211

United States of America

**(72)Name of the Inventor.:**

LOPEZ, MICHAEL ANGEL

ZIEGELAAR, JOHN ALBERT

KATO, HEIJI

**Abstract :**

Thin steel strip (11) is passed through a pinch roll stand (12) comprising pinch rolls (13) to a hot rolling mill (16) comprising work rolls (17) and backing rolls (18). In advance of rolling mill (16) the strip passes over support rolls (15). An anti-crimping guide roll (21) located immediately in advance of the rolling mill (16) is mounted on a pair of rocker structures (22) so as to be raisable from a lower inoperative position to lift the strip out of a straight line path so as to pass around the anti-crimping roll and to be wrapped about the upper work roll (17) in advance of the nip (26) through an angle of wrap of at least 100. Due to the wrapping of the strip around the upper work roll, (17), that roll supports the strip and resists buckling of the strip and the generation of crimping defects.

**Application No. IN/PCT/2002/546/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Process And System For Treatment Of Waste Streams Containing Watersoluble Polymers.****(51)International classification:**C 02 F 1/72, C 02 F 1/30**(30)Priority Data:****(31)Document No. :**PCT/US00/26553;09/515,982;60/166,680**(32)Date :**25/Sep/2000;25/Feb/2000;19/Nov/1999**(33)Country :**United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

ISLOYER COMPANY INC.

**Address of the Applicant.:**A US CORPORATION OF TECHNOLOGY PARK, 650  
ENGINEERING DRIVE, NORCROSS GA 30092  
United States of America**(72)Name of the Inventor.:**

CHISHOLM ROBERT

BECK DEBRATH A.

STEWART JOHN B.

JOHNSTON JORDAN M.

**Abstract :**

The present disclosure discloses a process and apparatus to accomplish same for complete solubilization, sterilization, radioactivity filtration, and destruction of clothing, supplies, equipment, and other articles made of polyvinyl alcohol. The process includes the solubilization of polyvinyl alcohol, the destruction of the polymer material with a hydroxyl radical, the removal of radioactive contamination, and the biodegradation of the organic acids generated by the process to yield a safe and environmentally benign waste stream suitable for discharge to a sanitary sewer system.

**Application No. IN/PCT/2002/547/DEL A****(22)Date of filing of Application :29/May/2002****(54)Title of the invention :Sheet-Fed Printing Press And Method Carried Out Using The Same****(51)International classification:**B41F 11/02; B65H 5/26, B65H 31/24**(30)Priority Data:****(31)Document No. :**PCT/IB01/01951;2059/00**(32)Date :**18/Oct/2001;20/Oct/2000**(33)Country :**Switzerland;Switzerland**(71)Name of the Applicant.:**

KBA GIORI S A

**Address of the Applicant.:**

4 RUE DE LA PAIX 1003 LAUSANNE

Switzerland

**(72)Name of the Inventor.:**

STARK SIEGFRIED ALFONS

DUNNINGER REINHOLD

**Abstract :**

The printing press has at least one feed (31) for unprinted sheets (32), a plate cylinder (35) with at least one printing plate, a printing cylinder (36), a wiping device (49) and an inking system (37, 38; 39,40,41, 42,43,44, 45) for inking the necessary areas of a plate or plates carried by the plate cylinder (35). For a printing cylinder (36) that can carry N sheets on its periphery, N being a multiple of 2, the plate cylinder (35) comprises N/2 plates, so that half of the sheets (32) carried by the printing cylinder (36) are printed by each of the plates during a full rotation of the cylinders (35, 36).

**Application No. IN/PCT/2002/548/DEL A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :A Device And A Method For Rremoval Of Rust And Paint.****(51)International classification:**B 44D 3/16, H05B 6/10**(30)Priority Data:****(31)Document No. :**PCT/NO00/00363, 19995353**(32)Date :**01/Nov/2000;02/Nov/1999**(33)Country :**Norway;Norway**(71)Name of the Applicant.:**

JAK J. ALVEBERG AS

**Address of the Applicant.:**

P.O. BOX 67, N-1345 OSTERAS

Norway

**(72)Name of the Inventor.:**

TOM ARNE BAANN

BJORN ERIK ALVEBERG

**Abstract :**

The present invention relates to a method for removal of rust and paint from a metal surface (3), wherein induction heat is used for heating the metal surface (3). The invention also relates to a device for carrying out the method.

Application No. IN/PCT/2002/549/DEL A

(13) Date of filing of Application : 30/May/2002

**(54) Title of the invention : A Particle Comprising A Host Lattice And A Guest, Its Preparation And Use In Ultraviolet Light Screening Compositions.**

(51) International classification: A61K 7/42, C09C 1/36

(30) Priority Data:

(31) Document No. : PCT/GB00/04587; 9928438.2

(12) Date : 01/Dec/2000; 01/Dec/1999

(32) Country : United Kingdom; United Kingdom

(71) Name of the Applicant:

ISIS INNOVATION LIMITED

Address of the Applicant:

EWERT HOUSE EWELL PLACE SUMMERTOWN.

OXFORD OX2 7SU

United Kingdom

(72) Name of the Inventor:

JOHN SEBASTIAN KNOWLAND

PETER JAMES DOBSON

GARETH WAKFIELD

**Abstract :**

A UV screening composition comprising novel particles which are capable of absorbing UV light so that electrons and positively charged holes are formed within the particles is disclosed. These particles comprise a host lattice incorporating a second component to provide luminescence trap sites and / or killer sites, said second component being niobium, vanadium, antimony, tantalum, strontium, calcium, magnesium, barium, molybdenum or silicon.

Application No. IN/PCT/2002/550/DEL A

(22) Date of filing of Application : 30/May/2002

**(54) Title of the invention : Advanced Alloy Fiber And Process Of Making.**

(51) International classification: B21C 37/04, B21C 1/00, C22C1/00, D02G 3/00, B23P 17/00

(30) Priority Data:

(31) Document No. : pct/us00/35191, 60/172, 030

(32) Date : 22/Dec/2000; 23/Dec/1999

(33) Country : United States of America; United States of America

(71) Name of the Applicant:

USF FILTRATION AND SEPARATION GROUP INC.

Address of the Applicant:

A US CORPORATION OF 2118 GREENSPRING DRIVE,

TIMONIUM, MD 21093

United States of America.

(72) Name of the Inventor:

QUICK NATHANIEL R.

SOBOLEVSKY ALEXANDER

ROBERTS DEAN A.

**Abstract :**

A process is disclosed for making fine metallic alloy fibers from a metallic alloy wire (20) having plural alloy components and encompassed by a cladding material (30). Fig 1 is a block diagram illustrating this process. Preferably, the cladding material is tightened about the metallic alloy wire in the presence of an inert atmosphere (36). The cladding is drawn for reducing the outer diameter thereof to provide a drawn cladding (40) encompassing a fine metallic alloy fiber. The cladding material is removed for providing the fine metallic alloy fiber. A portion of the cladding material diffuses into the fine metallic alloy fiber. The cladding material may be selected for providing a fine metallic alloy fiber formed from a new alloy material and / or providing a fine metallic alloy fiber having surface properties in accordance with the properties of the selected cladding material.

**Application No. IN/PCT/2002/551/DEL A****(22)Date of filing of Application :30/May/2002****(54)Title of the invention :A Sealing Box For A Chamber For Continuously Treating A Thin Strip Product, In Particular For A Furnace For Continuously Carbonizing A Fiber Substrate.****(51)International classification:F27B 9/28****(30)Priority Data:****(31)Document No. :99/15332;PCT/GB00/04889****(32)Date :06/Dec/1999;20/Dec/2000****(33)Cquntry :France;United Kingdom****(71)Name of the Applicant.:****SNECMA PROPULSION SOLIDE****Address of the Applicant.:****LE HAILLAN LES CINQ CHEMINS 33187 LE HAILLAN****CEDEX****France****(72)Name of the Inventor.:****BAUDRY YVO****EVARD HERVE****LAXAGUE, MICHEL****Abstract :**

A sealing box for a chamber for continuously treating a thin strip product, in particular for a furnace for continuously carbonizing a fiber substrate. The sealing box comprises: a longitudinal passage (12) opening out from the box via a first end (12b) for connection to an inlet or an outlet of a treatment chamber (2) and via a second end (12a), opposite from the first; a support surface (14a) inside the passage, on which a strip product (T) can travel between the ends of the box; and static sealing means (30) acting by making contact with the strip product travelling along the passage on the support surface. The static sealing means comprise at least one inflatable gasket (32) placed across the passage (12) above the support surface (14a), and dynamic sealing means (40) are also provided in the passage between the second end (12a) of the box and the static sealing means, the dynamic sealing means comprising means (52, 56) for injecting gas into at least one chamber (42, 46) formed in the passage. The sealing box is suitable in particular for a furnace that produces carbon fiber cloth by continuously carbonizing a cloth made of a carbon precursor.



**Application No. IN/PCT/2002/552/DEL A****(22)Date of filing of Application :31/May/2002****(54)Title of the invention :Fluid Directing Multiport Rotary Valve.****(51)International classification:F16K 11/074, B01D 35/12****(30)Priority Data:****(31)Document No. :PCT/US00/42231;PCT/US00/4223****(32)Date :22/Nov/2000;22/Nov/2000****(33)Country :UNITED STATES OF AMERICA;UNITED STATES OF AMERICA****(71)Name of the Applicant.:****CALGON CORBON CORPORATION****Address of the Applicant.:****500 GALGON CARBON DRIVE, PITTSBURG,  
PENNSYLVANIA 15205  
UNITED STATES OF AMERICA****(72)Name of the Inventor.:****AHLGREN, BRAD, KEVIN****AHLGREN, BRAD, KEVIN****SNYDER, CHARLES, B.****SNYDER, CHARLES, B.****FAWAZ, ISMAIL****FAWAZ, ISMAIL****AHLGREN, BRAD, KEVIN****AHLGREN, BRAD, KEVIN****SNYDER, CHARLES, B.****SNYDER, CHARLES, B.****FAWAZ, ISMAIL****FAWAZ, ISMAIL****Abstract :**

A ROTARY VALVE (200) FOR DIRECTING FLUID STREAMS WHICH HAS A CIRCULAR STATIONARY HEAD (400) HAVING AT LEAST ONE AND DESIRABLY MULTIPLE PRIMARY PORTS FOR CONNECTION WITH FLUID STREAMS AT LEAST ONE SECONDARY PORT. THE STATIONARY HEAD INCLUDES A NUMBER OF FIRST CIRCULAR CONCENTRIC CHANNELS (411) FORMED THEREIN AND AT LEAST ONE SECOND CONCENTRIC CHANNEL (412). THE FIRST AND SECOND CHANNELS ARE ASSOCIATED WITH THE PRIMARY AND SECONDARY PORTS, RESPECTIVELY. A ROTABLE HEAD ROTATES AGAINST THE STATIONARY HEAD AND CHANNELS IN A FLUID SEALED MANNER. AN INDEXABLE DRIVE (900) ROTATES THE ROTABLE HEAD TO INTERCONNECT PREDETERMINED PRIMARY CHANNELS AND SECONDARY PORTS. THE TIMING OF ROTATION CAN BE CONTINUOUS OR INTERMITTENT DEPENDING UPON THE ASSOCIATED PROCESS OF THE FLUID STREAMS.

**Application No. IN/PCT/2002/553/EECA****(22)Date of filing of Application :31/May/2002****(54)Title of the invention :Phosphonate Compounds.****(51)International classification:**C 07 F 9/28; C 07 F 9/02**(30)Priority Data:****(31)Document No. :**PCT/US00/33079;60/205,719;60/168,813**(32)Date :**04/Dec/2000;19/May/2000;13/Dec/1999**(33)Country :**United States of America;United States of America;United States of America**(71)Name of the Applicant.:**

THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

**Address of the Applicant.:**

9500 GILMAN DRIVE, LA JOLLA, CALIFORNIA 93093-0919

United States of America

**(72)Name of the Inventor.:**

GANESH D. KINI

KARL Y. HOSTETLER

JAMES R. BEADLE

**Abstract :**

The present invention relates to phosphonate compounds, compositions containing them, processes for obtaining them, and their use for treating a variety of medical disorders, e.g. osteoporosis and other disorders of bone metabolism, cancer, viral infections, and the like.

**अभिगृहित पूर्ण विनिर्देश**

एतद्वारा सूचना दी जाती है कि आवेदनों में किसी पर पेटेंट अनुदान का विरोध करने वाले इच्छुक व्यक्ति राजपत्र के इस निर्गमन की तिथि से चार महीने के भीतर या उक्त चार महीने की समाप्ति के पूर्व, प्ररूप 4 में यदि आवेदित किया हुआ हो, तो परवर्ती एक महीने के भीतर, किसी समय, नियंत्रक, पेटेंट को ऐसे विरोध की सूचना प्ररूप 7 में उपयुक्त कार्यालय में दे सकते हैं। विरोध का लिखित कथन साक्ष्य के साथ, यदि कोई हो, दो प्रतियों में उक्त सूचना के साथ या अगले दो महीने की अवधि के भीतर दाखिल किया जाए। इस संदर्भ में, यथा संशोधित पेटेंट अधिनियम, 1970 की धारा 25 एवं पेटेंट नियम, 2003 के नियम 55 से 57 का अवलोकन किया जा सकता है।

उपयुक्त कार्यालय द्वारा विनिर्देश एवं चित्र आरेख, यदि हो, के छायाप्रति की आपूर्ति छायाप्रति शुल्क के रूप में प्रति पृष्ठ रु. 4/- की अदायगी पर की जा सकती है।

**COMPLETE SPECIFICATION ACCEPTED**

Notice is hereby given that any person interested in opposing the grant of a Patent on any of the Applications, may, at any time within four months from the date of this issue of Gazette or within further period of one month if applied for in Form 4 before the expiry of the said period of four months, give notice to the Controller of Patents at the Appropriate Office on Form 7 of such opposition. The Written Statement of Opposition accompanied by evidence, if any, should be filed in duplicate alongwith the said notice or within further period of two months. Section 25 of The Patents Act, 1970 as amended and Rules 55 to 57 of The Patents Rules, 2003 may be referred to in this regard.

Photo copies of the specification and drawings, if any, can be supplied by the Appropriate Office on payment of photocopying charges @ Rs. 4/- per page.

IND. CL. : 32 C 192141

INT. CL. : C 12 N – 15/00

TITLE : A PROCESS OF MAKING A FUSION PROTEIN.

APPLICANT : FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER  
ANGEWANDTEN FORSCHUNG E.V. OF LEONRODSTR. 54,  
80636 MUNCHEN, GERMANY. GERMAN COMPANY.

INVENTORS : (1) FISCHER, RAINER  
2) SCHILLBERG, STEFAN  
(3) NAHRING, JORG  
(4) SACK, MARKUS  
(5) MONECKE, MICHAEL  
(6) LIAO, YU-CAI  
(7) SPIEGEL, HOLGER  
(8) ZIMMERMANN, SABINE  
(9) EMANS, NEIL

INTERNATIONAL APPLICATION NO. -----DATED-----

INDIAN APPLICATION NO. : 666 BOM 1998 DATED 16.10.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 19 CLAIMS

A method for the production of a fusion protein comprising:

- (a) culturing the host cell of under conditions suitable for the expression of the polynucleotide; and
- (b) recovering the fusion protein, pathogenicide or the domains thereof from the culture.

IND. CL. : 55 A 192142

INT. CL. : A 01 K – 067/027

TITLE : A COSMETIC COMPOSITION.

APPLICANT : HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE,  
165/166 BACKBAY RECLAMATION, MUMBAI 400 020,  
MAHARASHTRA, INDIA. AN INDIAN COMPANY.

INVENTORS : (1) RONNI LYNN WEINKAUF  
(2) UMA SANTHANAM  
(3) LAURA ROSE PALANKER  
(4) THOMAS EUGENE JANUARIO  
(5) ANITA MARIA BRINKER

INTERNATIONAL APPLICATION NO : -----DATED-----

INDIAN APPLICATION NO. : 177 BOM 1999 DATED 15.03.1999

PRIORITY NO. : 9805564.3 DATED 16.03.1998 OF U.K.  
09/150.841 DATED 10.09.1998 OF U.S.A.

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### **01 CLAIM**

A cosmetic composition for improving the condition and appearance of skin comprising from 0.0001% to 50% by wt of petroselinic acid and/or derivatives thereof; a suitable amount of skin benefit agent selected from sunscreens, skin lightening agents, skin tanning agents and the like and from 5% to 99.9% of a dermatologically/cosmetically acceptable vehicle.

Comp.specn.: 3 pages

Drawings: NIL

IND. CL. : 35 B,85Q **192143**

INT. CL. : F 01 K 017/00

TITLE : A PLANT FOR MANUFACTURING CEMENT AND  
SIMULTANEOUSLY GENERATING ELECTRICITY AND  
PROCESS THEREOF

APPLICANT : MALSHE VINOD CHINTAMANI  
& INVENTORS 1, STAFF QUARTERS, UDCT CAMPUS  
MATUNGA, MUMBAI - 400 019.  
MAHARASHTRA, INDIA.  
INDIAN NATIONAL

IDEM

INTERNATIONAL : -----  
APPLICATION NO

INDIAN  
APPLICATION NO. : 201/BOM/1999. **DATED 19/03/1999.**

Complete Specification filed after provisional specification on  
21.03.2000

PRIORITY NO. : -----

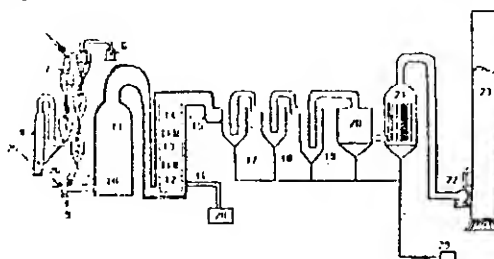
APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES  
2003), PATENT OFFICE BRANCH, MUMBAI - 13.

#### 04 CLAIMS

A plant for manufacturing cement and simultaneously generating electricity comprising a limestone calcination plant, a stationary vertical highly insulated kiln having a lower zone and an upper retention zone, the said lower zone is provided with an air blower and a mixer cum burner for mixing the hotlime based kilnfeed received from the said calcinations plant with additional fuel fed separately and burning the same for generating high temperature required for clinkerisation reaction, the said upper zone serving as retention zone for completing clinkerisation reaction, the said upper zone of the kiln connected to a set of heat exchangers comprising of an economizer, a boiler and a super heater wherein high purity water is fed and the high pressure superheated steam is generated, a steam turbine with electricity generator connected to the said heat exchangers for generating electricity by using the said super heated steam, the said heat exchangers being connected to a series of cyclones for recovery of the coarse particles of the clinker, an electrostatic precipitator connected to the said series of cyclones for recovery of the fine particles of the clinker, a bag filter connected to the said electrostatic precipitator for collecting the finest particles of the clinker, a grinder for grinding the coarse, fine and finest particles of the clinker collected from cyclones, electrostatic precipitator and bag filter respectively for obtaining cement and a stack connected to the said bag filter through a blower for discharging flue gases.

Complete specification: 26 pages  
Provisional specification :02 pages

Drawings 02 sheets  
Drawings 02 sheets.



**IND. CL.** : 39 **192144**

**INT. CL.** : C 01 B - 27/00

**TITLE** : A PROCESS FOR THE RECOVERY OF ARSENIC TRIOXIDE FROM ARSENIC BEARING SLUDGE.

**APPLICANT** : GUJARAT STATE FERTILIZERS & CHEMICALS LIMITED,  
P.O. FERTILIZERNAGAR 391 750, DIST. VADODARA,  
GUJARAT, INDIA

**INVENTORS** : (1) DR. ANIL KUMAR VARSHNEY  
(2) AMRATGAR JIVANGAR GOSAI  
(3) VINOD KANTILAL PATEL  
(4) ATUL SOMABHAI PATEL  
(5) KANUBHAI CHATURBHAI PATEL  
(6) JITENDRA CHIMANLAL SHAH  
(7) MAHESH HARIBHAI MEHTA

**INTERNATIONAL APPLICATION NO** : -----DATED-----

**INDIAN APPLICATION NO.** : 299 BOM 1999 DATED 21.04.1999

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

### **13 CLAIMS**

A process for the recovery of arsenic trioxide from arsenic bearing sludge generated in Ammonia Plants using Giammarco Vetrocoke's hot potassium carbonate solution for CO<sub>2</sub> recovery comprising the steps of leaching the sludge with aqueous potassium hydroxide, acidification and concentration of the leachate to crystallize potassium sulfate, subjecting the filtrate of potassium sulfate crystallization to reduction with SO<sub>2</sub> gas and separating the precipitated arsenic trioxide.

Comp.specn.: 21 pages

Drawings: 02 sheets

IND. CL. : 69 I **192145**

INT. CL. : H 02 B 1/30

TITLE : A RACK FOR A SWITCHGEAR CABINET

APPLICANT : RITTAL-WERK RODOLF LOH GMBH & CO. KG, AUF DEM  
STUTZELBERG, D-35745 HERBORN, GERMANY.

INVENTORS (1) HARTEL MARC  
(2) NICOLAI WALTER  
(3) BESSERER HORT  
(4) BENNER ROLF.

INTERNATIONAL APPLICATION NO : PCT EP99/01667 - DATED 13.3.1999

INDIAN APPLICATION NO. : IN PCT/2000/00075/MUM DATED 13.6.2000

Priority Nos. : 198 11 914.3 Dated 18.3.1998 of Germany  
198 14 714.4 Dated 02.04.1998

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 06 CLAIMS

A rack for a switchgear cabinet with vertical profiled frame sections, a bottom frame and a top frame, wherein the bottom frame and the top frame are made as a stamped and bent part from a sheet steel blank and have a horizontal bottom facing the interior of the switchgear cabinet, on which the vertical profiled frame sections are fastened, and wherein a reinforced edge is bent off and oriented away from the interior of the switchgear cabinet

characterized in that

four plug-in projections (15) are fastened on the bottom (11) of the bottom frame and the top frame (10), each of which is provided with at least one threaded receiver (16).

the vertical profiled frame sections (20) have plug in receivers (23), by means of which they have been pushed on the plug-in projections (15).

the vertical profiled frame sections (20) have screw receiver (23) which are arranged flush with the threaded receivers (16) of the plug-in projection (15), and

fastening screws (21) are inserted into the screw receivers (23) and screwed into the threaded receivers (16).

Comp. specn. 10 pages

Drawings: 2 sheets.

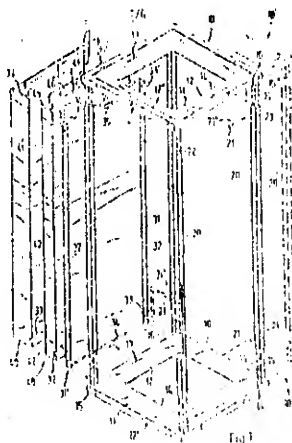


IND. CL. : 69 I 192146  
INT. CL. : H 02 B 1/30  
TITLE : A SWITCHGEAR CABINET WITH A RACK.  
APPLICANT : RITTAL-WERK RUDOLF LOH GMBH & CO. KG, AUF DEM  
STUTZELBERG, D-35745 HERBORN, GERMANY -  
INVENTORS : 1) NICOLAI WALTER  
2) BENNER ROLF  
3) BESSERER HORST  
4) HARTEL MARC  
INTERNATIONAL APPLICATION NO : PCT/EP99/01666 - DATED 13.3.1999  
INDIAN APPLICATION NO. : IN/PCT/2000/00078/MUM DATED 13.6.2000  
Priority Nos. : 198 11 714.0 Dated 18.03.1998 of Germany

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 09 CLAIMS

A switchgear cabinet with a rack with a certain switchgear cabinet interior and with open sides, which is closed by means of wall elements and at least one cabinet door, characterized in that at least one wall element (30,40) and/or the cabinet door (60), which form(s) an additional receptacle to the respective side(s) of the rack.



Comp.specn. : 14 pages

Drawings: 04 sheets

IND. CL. : 88 D 192147

INT. CL. : B 01 D 53/47

TITLE : A PROCESS FOR THE SEPARATION OF NITROGEN FROM  
A FEED GAS INCLUDING NITROGEN

APPLICANT : PARAXAIR TECHNOLOGY, INC.,  
39 OLD RIDGEBURY ROAD,  
DUNBURY,  
STATE OF CONNECTICUT - 06810-5113  
U.S.A.

INVENTOR : 1) JOSEPH TIMOTHY MULLHAUPT  
2) FRANK NOTARO.

INTERNATIONAL APPLICATION NO : PCT/US99/04388 DATED 26.02.1999

INDIAN APPLICATION NO. : IN/PCT/2000/00190/MUM DATED 18.07.2000.

PRIORITY NO. : 60/076,257 DATED 27.2.1998 OF U.S.A

**APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS  
RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.**

**10 CLAIMS**

A process for the separation of nitrogen from a feed gas including nitrogen, said process comprising: contacting in a known manner, the gas in an adsorption zone with an adsorbent that is equilibrium selective for nitrogen and adsorbing nitrogen on said adsorbent, wherein said adsorbent zone comprises an equilibrium selective at least one adsorbent material selected from the group consisting of A-zeolite, Y-zeolite, NaX, mixed cation X-zeolite, chabazite, mordenite, clinoptilolite, silica alumina, alumina, silica, titanium silicates, phosphates and mixtures thereof; and wherein the said adsorbent has properties defined by the hyperbolic function:

$(SCRR - 0.22) * NML \text{ FoM} \geq 2.5$ ; wherein

$SCRR = RR * (d_{\text{particle}})^2$ :

$RR = \Delta N_2 (Y_F, Y_O) / (t_2 - t_1)$

$\Delta N_2 (Y_F, Y_O) = [N_2 \text{ Loading at } p \text{ } Y_F] - [N_2 \text{ Loading at } p \text{ } Y_O]$  at 300 K;

$Y_F, Y_O, Y_2, Y_1$  are mole fractions in the gas phase, and  $t_2$  and  $t_1$  are the times corresponding to  $Y_2, Y_1$  in the concentration front;

$d_{\text{particle}}$  = the Ergun diameter of the adsorbent particle;

$NML \text{ FoM} = [\Delta N_2(T, B)] * [\alpha T(N_2/O_2)]^2 / [\alpha B(N_2/O_2)]$

As measured at 300 K;

$\Delta N_2 (T, B) = [N_2 \text{ Loading at } p_T X_T] - [N_2 \text{ Loading at } p_B X_B]$ ;

$\alpha T (N_2/O_2) = [X_T N_2 / X_T (N_2/O_2)] / [Y_T (N_2) / Y_T (O_2)]$ ;

$\alpha B (N_2/O_2) = [X_B N_2 / X_B (O_2)] / [Y_B (N_2) / Y_B (O_2)]$ ;

subscript T denotes the highest adsorption pressure and subscript B denotes the lowest desorption pressure;

$X_T$  and  $X_B$  are mole fractions of the indicated molecules in the adsorbed phase at the pressure denoted by the subscript; and

$Y_T$  and  $Y_B$  are mole fractions of the indicated molecules in the gas phase at the pressure denoted by the subscript.

192148

IND. CL. : 32 F2 b

INT. CL. : C 07 D -487/ 22

TITLE : A METHOD FOR MAKING A COMPLEX OF A METALLOCORRINOID AND A PHARMACOLOGICAL AGENT.

APPLICANT : THE UNIVERSITY OF AKRON, A US COMPANY OF 302 E.BUCHTEL AVENUE, AKRON, OHIO 44325, UNITED STATES AMERICA.

INVENTOR : JOSEPH ALAN BAUER

INTERNATIONAL APPLICATION NO : PCT/US 98/27857 DATED 30.12.1998

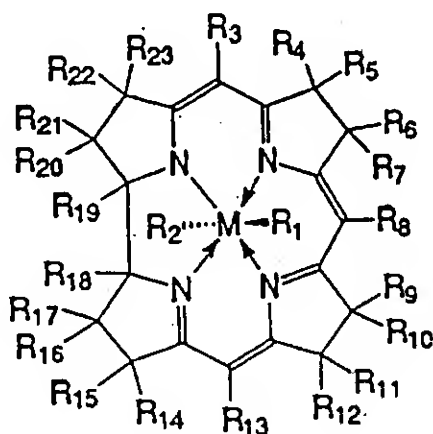
INDIAN APPLICATION NO. : IN/PCT/2000/00220/MUM DATED 26.07.2000

PRIORITY NO. : 09/000,581 DATED 30.12.1997 OF U.S.A.

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 14 CLAIMS

1. A method for making a complex of a metallocorrinoid and pharmacological agent comprising the steps of:  
providing a metallocorrinoid, having the formula (I):



wherein M is a metal atom selected from the group consisting of Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu and Zn;

wherein  $R_1$ – $R_{23}$  are independently selected from the group consisting of hydrogen, aliphatic groups having from 1 to 30 carbon atoms, heteroatoms, or combinations thereof, wherein at least one of  $R_1$  and  $R_2$  is a good leaving group; and

dissolving the metallocorrinoid in a solvent and exposing said dissolved metallocorrinoid to pharmacological agent such that said good leaving group is removed and pharmacological agent becomes bound to the metallocorrinoid in place of said good leaving group;

wherein pharmacological agent is not released from said metallocorrinoid under physiological conditions; and

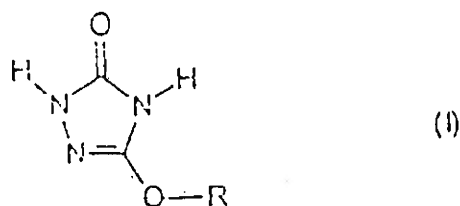
wherein pharmacological agent is released from said metallocorrinoid under acidic conditions.

IND. CL. : 32 F 2a 192149  
INT. CL. : C 07 D 249/12  
TITLE : PROCESS OF PREPARING ALKOXYTRIAZOLINONES.  
APPLICANT : BAYER AKTIENGESELLSCHAFT, D-51368 LEVERKUSEN,  
GERMANY & BAYER CORPORATION, 100 BAYER ROAD,  
PITTSBURGH, PENNSYLVANIA 15205, U.S.A.  
INVENTOR : 1) MICHAEL CONRAD  
2) REINHARD LANIZSCH  
3) VIJAY C. DESAI.  
4) SHEKHAR V. KULKARNI.  
INTERNATIONAL APPLICATION NO : PCT/EP99/00616 DATED 30.1.1999  
INDIAN APPLICATION NO : IN/PCT/2000,2001/MUM DATED 26.07.2000  
PRIORITY NO. : 09/ 022,262 DATED 11.2..1998 OF U.S.A

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4,  
PATENTS RULES 2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 11 CLAIMS

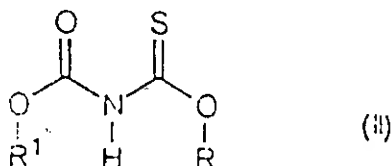
A process for preparing alkoxytriazolinones of the general formula (I)



Wherein

R represents an alkyl group, an alkenyl group, an alkynyl group, a cycloalkyl group, a cycloalkylalkyl group, an aryl group or an arylalkyl group, any of which may be substituted, comprising reacting

a) thioimidodicarboxylic diesters of the general formula (II)



Wherein R is as defined above and R<sup>1</sup> represents an alkyl group, an arylalkyl group or an aryl group, any of which may be substituted, with

b)hydrazine, hydrazine hydrate or an acid adduct of hydrazine.

With said reaction being conducted i) in the presence of a diluent of the kind such as herein described and, optionally, in the presence of a basic reaction auxiliary and the kind such as herein described and ii) at temperature between  $-10^{\circ}$  and  $+100^{\circ}\text{C}$

Comp. specn. 17 pages

Drawings: NIL

IND. CL. : 128 G 192150

INT. CL. : C 12 Q 1/70, 1/68  
C 12 N 15/00

TITLE : A METHOD FOR AMPLIFYING HEPATITIS B VIRUS (HBV)  
NUCLEIC ACID IN BIOLOGICAL SAMPLES

APPLICANT  
& INVENTORS : RELINANCE LIFE SCIENCES PVT LTD  
AN INDIAN COMPANY, CHITRAKOOT,  
2<sup>ND</sup> FLOOR, SHREE RAM MILLS  
COMPOUND, GANPATH RAO KADAM  
MARG, LOWER PAREL, MUMBAI - 400 013.  
MAHARASHTRA, INDIA.

1. VIJAY SHARMA.  
2. VENKATA RAMANA KONDIBOYNA.

INTERNATIONAL  
APPLICATION NO

INDIAN

APPLICATION NO. : 67/MUM/2002.

DATED 28/01/2002.

PRIORITY NO. : -----

APPROPRIATE OFFICE FOR OPPOSITION PROCEEDINGS (RULE 4, PATENTS RULES  
2003), PATENT OFFICE BRANCH, MUMBAI - 13.

### 11 CLAIMS

A method for amplifying Hepatitis B Virus (HBV) nucleic acid in biological samples comprising of:

- a) extracting nucleic acid from a biological samples;
- b) subjecting about 5 µl to 50 µl preferably 25 µl of extracted nucleic acid to amplification using amplification reaction mixture comprising of about 25 µl to 50 µl preferably about 25 µl of amplification buffer, first oligonucleotide primer SEQ. ID. No. 1 with nucleotide sequence position 1142 - 1160, second oligonucleotide primer SEQ. ID. No. 2 with nucleotide sequence position 1499 - 1473, each having a label at their respective 5' ends, deoxyribonucleoside triphosphate in a concentration of about 100 µl to 200 µM, DNA polymerase in an amount of about 1 to 2.5 units;
- c) heating the amplification reaction mixture to, 94° C for 10 min followed by 30 amplification cycles; each amplification cycle comprising of subjecting the reaction mixture to denaturation at a temperature of about 94° C for 30 sec, annealing at a temperature about 62° C for 45 sec and extension at a temperature of about 72° C for 30 sec;
- d) incubating the reaction mixture for about 10 min at about 72° C to give the amplimers thereof

Complete specification: 20 pages

Drawings NIL sheets

Indian Classification	:	11 C	192151
International Classification <sup>7</sup>	:	A01K 67/04	
Title	:	"A NOVEL COMPOSITION USEFUL AS FEED SUPPLEMENT FOR SILKWORM FOR ENHANCING THE SILK PRODUCTION."	
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi - 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).	
Inventors	:	SURINDER KUMAR CHOWDHARY - INDIAN SURENDRA DUTTA SHARMA - INDIAN SATINDER MOHAN JAIN - INDIAN ABRAR AHMAD - INDIAN LALIT KUMAR BHAN - INDIAN	
Kind of Application	:	Complete	

Application for Patent Number 85/Del/2000 filed on 3<sup>rd</sup> Feb. 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

### 2 Claims )

A process for the preparation of novel composition useful as feed supplement for silkworm for enhancing the silk production which comprises mixing compound-  
(i) stigmasterol in the range of 1 to 8 part (ii) 20-hydroxyecdysone compound in the range of 0.25 to 8 part and (iii) silenocide in the range of 0.25 to 8 part.

Agent :

(Complete Specification 11 Pages Drawings Nil Sheet)



**192152**

Indian Classification	:	11 C
International Classification <sup>7</sup>	:	C12N 1/14
Title	:	"A NOVEL OIL BASED LIQUID NUTRIENT MEDIUM COMPOSITION USEFUL FOR THE PREPARATION OF AN OIL BASED PIGMENT FROM FUNGUS."
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).
Inventors	:	AVINASH PRAHLAD SATTUR - INDIAN NAIKANAKATTE GANESH KARANTH - INDIAN
Kind of Application	:	Complete

Application for Patent Number 247/Del/2000 filed on 16<sup>th</sup> March 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

**( 5 Claims )**

A novel oil based liquid nutrient medium composition useful for the production of an oil based pigment from fungus, which comprises sucrose (20-100g/l), micronutrients such as potassium nitrate, magnesium sulphate, potassium dihydrogen phosphate (0.1 to 1 g/l) sodium benzoate (0.1 to 1 g/l) and long chain fatty acids, such as vegetable oils (60-160 g/l) and balance water.

Agent :

(Complete Specification 6 Pages Drawings Nil Sheet)

Indian Classification	32 C	192153
International Classification <sup>7</sup>	:	C12N 9/06
Title	:	"AN IMPROVED PROCESS FOR THE PREPARATION OF D-AMINOACID OXIDASE."
Applicant	:	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi – 110 001, INDIA, an Indian body incorporated under the Registration of Societies Act (XXI of 1860).
Inventors	:	SANTHOOR GURURAJA BHAT - INDIAN NAGAJYOTHI - INDIAN RAJENDRA UPADHYA - INDIAN
Kind of Application	:	Complete

Application for Patent Number 248/Del/2000 filed on 16<sup>th</sup> March 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Branch, New Delhi – 110 008.

( 8 Claims )

An improved process for the preparation of D-aminoacid oxidase which comprises of incubating permeabilized *Rhodortula gracilis* in the form of suspension at pH in the range of 5 to 11 at a temperature in the range of 5 to 40<sup>0</sup>C in precesnce of 1 to 2.5% w/w reducing agent selected from sulphite salt of alkali metal for a period of 10 to 90 minutes to obtain D-aminoacid oxidase.

Agent :

(Complete Specification 12 Pages Drawings Nil Sheet)

Indian Classification	:	55E <sub>4</sub>	192154
International Classification <sup>4</sup>	:	A 61K- 31/00.	
Title	:	<b>“AN IMPROVED PROCESS FOR THE PREPARATION OF POLYLACTIC ACID USING LIPASE ENZYME”.</b>	
Applicant	:	<b>COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b> , Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	<b>KONDABAGILU RAJANNA KIRAN NAIKANAKATTE GANESH KARANTH SOUNDAR DIVAKAR-ALL INDIAN</b>	
Kind of Application	:	COMPLETE	

Application for Patent Number 257/DEL/2000 filed on 16/03/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(08 Claims)

An improved process for preparation of polylactic acid using lipase enzyme which comprises reacting lactic acid or a cyclic lactone of carbon chain length 1-6 in presence of lipase enzyme for a period ranging 10-30 days at a temperature in the range of 30<sup>0</sup>C- 80<sup>0</sup>C with non-polar solvent such as herein described having boiling point below 80<sup>0</sup>C to produce desired polylactic acid. optionally adding dicarboxylic acid such as herein described to the above reaction medium to obtain copolymer of polylactic acids, the invention is characterized in using lipase enzyme at a temperature range of 30<sup>0</sup>C – 80<sup>0</sup>C.

Agent

(Complete Specification Pages 25 Drawing NIL Sheet)

Indian Classification : 55E4; 32F<sub>3(c)</sub> 192155

International Classification<sup>4</sup> : A 61K- 31/00; A 61K 35/78

Title : **“AN IMPROVED PROCESS FOR THE ISOLATION OF BIOACTIVE EUPALITIN-3-O-β-D-GALACTOPYRANOSIDE FROM BOERHAVIA DIFFUSA”.**

Applicant : **COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH**, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : **MUNDKINAJEDDU DEEPAK  
LILA RAM MANHAS  
RAKESH MAURYA  
SUKHDEV SWAMI HANDA -ALL INDIAN.**

Kind of Application : COMPLETE

Application for Patent Number **571/DEL/2000** filed on **09/06/2000**

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(05 Claims)

An improved process for the isolation of bioactive eupalitin 3-O-β-D-galactopyranoside from *Boerhavia diffusa*, having the formula 1 of the drawing accompanying the specification which comprises:

- (a) powdering the parts selected from leaves, stems or aerial part of plant *Boerhavia diffusa* by known methods such as herein described
- (b) extracting the plant material with protic solvent such as herein described,
- (c) concentrating the extract by known methods such as herein described,
- (d) triturating the above said concentrated extract successively with organic solvent such as herein described in order of increasing polarity to get rich bioactive fraction;
- (e) crystallizing and re-crystallizing with solvent such as herein described by conventional methods such as herein described to obtain eupalitin 3-O-β-D-galactopyranoside.

Agent :

(Complete Specification Pages 20 Drawing NIL Sheet)

Indian Classification	:	32F <sub>3</sub> (D)	192156
International Classification <sup>4</sup>	:	C 07J 9/00	
Title	:	“ An improved process for the preparation of (2R,3S,22S,23S)-2,,3,22,23-tetra acetocy-B-homo-7-oxastigmastan-6-one”.	
Applicant	:	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	ARCHNA PATIENCE MASSEY VANDANA SUDHIR PORE BRAJA GOPAL HAZRA-ALL INDIAN.	
Kind of Application	:	COMPLETE	

Application for Patent Number **984/DEL/2000** filed on **03/11/2000**.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(05 Claims)

An improved process for the preparation of (2R,3S,22S,23S)-2,,3,22,23-tetra acetocy-B-homo-7-oxastigmastan-6-one of formula 2 as given in specification which comprises.

- reacting (2R,3S,22S,23S)-2,3,22,23-tetraacetoxystigmastan-6-one of formula 1 of the drawing accompanying the specification, in the range of 0.25 to 1 mmole with alkali metal perborates such as sodium perborate having active oxygen source in the range of 1 to 6 mmole in an organic acid preferably haloacetic acid as herein described at a temperature in the range of 25 to 80°C for a period of 4 to 10 hrs.
- quenching the reaction mixture preferably with mild alkali as herein described and/or water.
- isolating the said compound of formula 2 from the reaction mixture by solvent extraction using solvent as herein described and purifying by known methods such as herein described.

Agent

(Complete Specification Pages 09 Drawing 01 Sheet)

Indian Classification	:	54	192157
International Classification <sup>4</sup>	:	A 61 K 35/78	
Title	:	<b>"A PROCESS FOR PREPARATION OF EXTRACT OF ASPARAGUS ADSCENDENS OR ASPARAGUS OFFICINALIS. USEFUL FOR THE ELIMINATION OF CARNATION LATENT VIRUS FROM INFECTED PLANTS BY SUPPLEMENTING THE TISSUE CULTURE MEDIUM".</b>	
Applicant	:	<b>DR. YASHWANT SINGH PARMAR</b> <b>UNIVERSITY OF HORTICULTURE AND FORESTRY NAUNI SOLAN(HIMACHAL PRADESH)-173230</b> an Indian registered body incorporated under the registration of Societies Act(Act XXI of 1860).	
Inventors	:	<b>DR. SATYA VRAT BHARDWAJ</b> <b>DR. MANISHA MANGAL</b> <b>DR ANIL KUMAR HANDA-ALL INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number **1011/DEL/2000** filed on **13/11/2000**.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

#### **(04 Claims)**

A process for preparation of extracts of *Asparagus adscendens* or *A. officinalis*, useful for the elimination of Carnation Latent Virus from infected plants, by supplementing the tissue culture medium as herein described, which comprises,

- i. Collection of plant parts such as fruits and roots of said *Asparagus* species.
- ii. Refluxing said parts of the plants with benzene on boiling water bath.
- iii. Filtration of soluble contents so obtained in step (ii),
- iv. Combining of contents of step (iii) obtained from different parts of plant separately,
- v. Evaporation of the solvent from contents of step (iv) on boiling water bath,
- vi. Refluxing content of step(v) with acetone to obtain the said extract preferably refluxed thrice with acetone
- vii. Optionally mixing the said extract with MS medium as here in discussed.

Agent :  
(Complete Specification Pages 09 Drawing NIL Sheet)

Indian Classification	:	32G	192158
International Classification <sup>4</sup>	:	C 12 N 001/20	
Title	:	<b>"A PROCESS FOR PREPARATION OF CAROTENOIDS MAINLY <math>\beta</math>-CAROTENE".</b>	
Applicant	:	<b>COUNCIL OF SCIENTIFIC &amp; INDUSTRIAL RESEARCH</b> , Rafi Marg, New Delhi-100 001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).	
Inventors	:	<b>PRAKASH BABAJI BHOSALE</b> <b>RAMCHANDRA VITHAL GADRE-BOTH INDIAN.</b>	
Kind of Application	:	<b>COMPLETE</b>	

Application for Patent Number 1028/DEL/2000 filed on 17/11/2000

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(06 Claims)

A process for the preparation of carotenoids, mainly  $\beta$ -carotene, which comprises

- i) growing the novel mutated *Rhodotorula glutinis* in fermentation medium essentially containing assimilable carbon such as herein described in the concentration range of 10 to 100 gm/litre, nitrogen source as herein described in the concentration range of 1 to 20gm/litre, and other mineral ingredients such as potassium dihydrogen phosphate in the concentration range of 0.2 to 15gm/litre, dipotassium hydrogen phosphate in the concentration range of 0.2 to 15 gm/litre, magnesium sulphate heptahydrate in the concentration range of 0.05 to 5gm/litre, for a period of 10 to 18hrs, at pH range of 3 and 8, at temperature in the range of 26 to 30<sup>0</sup> C under stirred and aerobic condition in a known manner as herein described,
- ii) separating the biomass by conventional methods such as herein described and recovering the carotenoids by conventional extraction method using solvent as herein described and drying methods as herein described.

Agent

(Complete Specification Pages 13 Drawing NIL Sheet)

Indian Classification	: 55 F	192159
International Classification <sup>7</sup>	: A61K 9/58	
Title	: "PROCESS FOR THE PREPARATION OF AN AQUEOUS COATING FOR THE CONTROLLED RELEASE OF AN ACTIVE INGREDIENT"	
Applicant	: RANBAXY LABORATORIES LTD. a Company incorporated under the Companies Act, 1956 Corporate office at of 19, Nehru Place, New Delhi - 110019. INDIA.	
Inventors	: GOUR MUKHERJI - INDIAN MANOJ KUMAR - INDIAN	
Kind of Application	: Complete	

Application for Patent Number 514/Del/2000 filed on 15<sup>th</sup> May 2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003)  
Patent Office Branch, New Delhi - 110 008.

( 10 Claims )

A process for the preparation of an aqueous coating for the controlled release of an active ingredient comprising :

Mixing a water insoluble film forming polymer selected from the group consisting of methacrylic acid copolymer, methacrylate copolymer, cellulosic polymer and vinyl polymer, as herein described with a high viscosity swellable polymer selected from the group consisting of a polysaccharide, cross linked polyacrylic acid and modified cellulose in the range of 0.1 to 20% w/w of the film forming polymer and optional pharmaceutically acceptable adjuvant selected from the group consisting of 10 to 50% w/w of a channeling agent, 1 to 20% w/w of a lubricant and 1 to 40% w/w of a plasticizer, with an aqueous solvent to obtain said aqueous coating, said aqueous coating deposited on a core having active ingredient.

Agent : RANBAXY LABORATORIES LTD.

(Complete Specification 11 Pages Drawings 4 Sheets)



Indian Classification : 55E4. 192160

International Classification<sup>4</sup> : A61K 31/00.

Title : "PROCESS FOR THE PREPARATION OF A BIOAVAILABLE DOSAGE FORM OF LORATADINE".

Applicant : RANBAXY LABORATORIES LIMITED, a Company incorporated under the Companies Act, 1956 of 19, Nehru Place, New Delhi-110 019, INDIA.

Inventors : PANANCHUKUNATH MANOJ KUMAR  
DINSHEET GUPTA  
RAJIV MALIK -ALL INDIAN.

Kind of Application : COMPLETE

Application for Patent Number 651/DEL/2000 filed on 17/07/2000.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 2003) Patent Office Delhi Branch, New Delhi – 110 008.

(10 Claims)

A process for the preparation of bioavailable oral dosage form of loratadine comprising;

- a) reducing the particle size of loratadine by milling such that the particle size of loratadine ranges from 0.1 to 15 micron and surface area of loratadine ranges from 1 to 2.5sqm/g, to obtain micronised loratadine,
- b) mixing said micronised loratadine with at least one pharmaceutically accepted excipients selected from the group consisting of fillers, binders, lubricants and glidants, to obtain a blend,
- c) filing said blend to capsules or compressing said blend to tablets.

Agent

(Complete Specification Pages 09 Drawing NIL Sheets)

**AMENDMENT PROCEEDING UNDER SECTION 57**

Notice is hereby given that M/s. WHITNASH PLC., of Tachbrook Road, Leamington Spa, Warwickshire CV31 3ER, Great Britain has made an application on Under Section 57 of the Patents Act, 1970 for change of name and address for service of their application No. 780/Del/94(188961) for "A DIFFERENTIAL MECHANISM." The amendment is by way of change of name from "AUTOMOTIVE PRODUCTS PLC." to "WHITNASH PLC." and address for service from "M/s. Remfry & Sagar, Remfry House, 8, Nangal Raya Business Centre, New Delhi-110 046" to M/s. Remfry & Sagar, Remfry House at the Millennium Plaza, Sector 27, Gurgaon-122 003, National Capital Region, India."

The application and the proposed amendment can be inspected free of charge at Patent Office, W-5, West Patel Nagar, New Delhi-110008 for copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a Notice of Opposition on the prescribed Form within 3 months from the date of this Notification at the Patent Office, New Delhi.

In pursuance of leave granted Under Section 20(1) of the patents Act, 1970 application No. 780/Del/94(188961) of WHITNASH PLC., (formerly known as Automotive Products Plc.) of Tachbrook road, Leamington Spa. Warwickshire CV31 3ER, Great British has been allowed to proceed in the name of CLARKDALE LIMITED, further assignment to AP HYDRAULICS LIMITED and further assignment to F.C.C. LTD, of 7000-36 Technoland, Hosoecho Inasa-gun, Shizuoka pref, 431-1394, Japan.

**OPPOSITION PROCEEDING (U/S. 25)**

An opposition has been entered by M/s. Subramaniam, Natraj & Associates, New Delhi on behalf of M/s. Lohia Starlinger Limited, Kanpur, (U.P.) to the grant of a Patent on application No. 190637(1181/Del/95) dated 26.06.1995 made by M/s. Starlinger-Hemer, Franz Xaver, Austria.

An opposition has been entered by M/s. L.S. Davar & Co., Kolkata on behalf of M/s. Bajaj Auto Limited, Pune, Maharashtra to the grant of a Patent on application No. 190727(378/Del/95) dated 07.03.1995 made by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan.

An opposition has been entered by M/s. L.S. Davar & Co., Kolkata on behalf of M/s. Bajaj Auto Limited, Pune, Maharashtra to the grant of a Patent on application No. 190728(381/Del/95) dated 07.03.1995 made by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan.

An opposition has been entered by M/s. L.S. Davar & Co., Kolkata on behalf of M/s. Bajaj Auto Limited, Pune, Maharashtra to the grant of a Patent on application No. 190742(667/Del/95) dated 10.04.1995 made by M/s. Honda Giken Kogyo Kabushiki Kaisha, Japan.

**RESTORATION PROCEEDINGS**

Notice is hereby given that an application was made under Section 60 of the Patent Act, 1970 for the restoration of Patent No. 179188, granted to M/s. Urminus Industries Ltd., for an invention relating to An ultra Violet disinfectant.

The Patent ceased on 25.7.2002, due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2, dated 17.1.2004.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form-14 in duplicate, with the Controller of Patents, at Patent Office, Sun Mill Compound, Todi Estate, III Floor, Lower Parel (West), Mumbai-400013, within Two months from date of this official Gazette.

Under rule 85 of the Patents Rules 2003, a written statement, in duplicate setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

#### RESTORATION UNDER SECTION 60 OF THE PATENTS ACT, 1970

Notice is hereby given that an application for restoration of Patent No. 182944 made by Searle (India) Limited on 25.09.2001 has been allowed and the said Patent is restored.

Notice is hereby given that an application for restoration of Patent No. 184250 made by Eli Lilly & Co. on 23.08.2002 has been allowed and the said Patent is restored.

#### CANCELLATION PROCEEDINGS UNDER SECTION 19 (1)

"An application in the name of YASH PLASTOMET PVT. LTD. for Cancellation of Registered Design No. 191652 was filed on 21.1.04 in class 09-02 in the name of MOLD-TEK TECHNOLOGIES LTD."

#### PATENTS SEALED ON 30-01-2004/KOLKATA

187893 190362 190363 190365 190366 190535 190536 190538 190577 190702 190705 190706  
190911 190915

#### PATENTS SEALED ON 30/01/2004, (MUMBAI BRANCH)

189791 189795 189802 189833 190001 190061 190062 190064 190066 190068 190077 190080  
190264 190298 190430 190451 190455 190464 190465 190469 190476 190491 190493 190562  
190563 190564 190567 190568 190660 190675 190677 190681 190685 190694

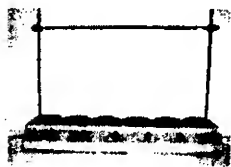



#### PATENT SEALED ON 23.01.2004 (DELHI)






189284 189285 189292 189293 189294 189296 189277 189301 189303 189305 189306 189307  
189314 189317 189319






**REGISTRATION OF DESIGNS**


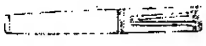


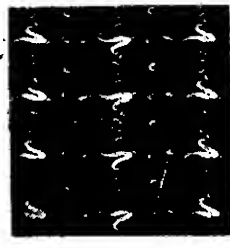
The following designs have been registered. They are open for public inspection from the date of registration. (Colour combination if any, is not shown in the representation)






The date shown in the following each entry is the date of registration.

Class	24-02	NO.193289. THERMO ELECTRICS MADRAS MANUFACTURING, AN INDIAN PARTNERSHIP FIRM OF 267, KILPAUK GARDEN ROAD, KILPAUK, CHENNAI:-600 010, T.N., INDIA, "EXTRACTION MANTLE" 22.09.2003	
Class	24-02	NO.193288. THERMO ELECTRICS MADRAS MANUFACTURING, AN INDIAN PARTNERSHIP FIRM OF 267, KILPAUK GARDEN ROAD, KILPAUK CHENNAI:-600 010, T.N., INDIA, "EXTRACTION MANTLE" 22.09.2003	
Class	02-04	NO.191917. BATA INDIA LIMITED OF 6A S.N. BANERJEE ROAD, KOLKATA-700013, W.B. INDIA. "FOOTWEAR" 22.04.2003.	
Class	02-04	NO.191921. BATA INDIA LIMITED OF 6A S.N. BANERJEE ROAD, KOLKATA-700013, W.B. INDIA. "FOOTWEAR" 22.04.2003.	






Class	02-04	No.191918. BATA INDIA LIMITED OF 6A S.N. BANERJEE ROAD, KOLKATA-700013. W.B. INDIA. "FOOTWEAR" 22.04.2003.	
Class	08-06	No. 193045 GODREJ & BOYCE MFG. CO. LTD., OF LOCKS DIVISION PLANT-18 PIRO-JSHANAGAR, VIKHROLI, MUMBAI:- 400 079, MAHARASHTRA, INDIA, INDIAN COMPANY. "HANDLE" 28.08.2003.	
Class	08-06	No.193042. GODREJ & BOYCE MFG. CO. LTD., OF LOCKS DIVISION PLANT-18 PIRO-JSHANAGAR, VIKHROLI, MUMBAI:- 400 079, MAHARASHTRA, INDIA, INDIAN COMPANY. "HANDLE" 28.08.2003.	
Class	08-06	No.193043. GODREJ & BOYCE MFG. CO. LTD., OF LOCKS DIVISION PLANT-18 PIRO-JSHANAGAR, VIKHROLI, MUMBAI:- 400 079, MAHARASHTRA, INDIA, INDIAN COMPANY. "HANDLE" 28.08.2003.	
Class	08-06	No.193044. GODREJ & BOYCE MFG. CO. LTD., OF LOCKS DIVISION PLANT-18 PIRO-JSHANAGAR, VIKHROLI, MUMBAI:- 400 079, MAHARASHTRA, INDIA, INDIAN COMPANY. "HANDLE" 28.08.2003.	



Class	08-06	No.193341. CRYSTAL PLASTICS & METALLIZING PVT. LTD. OF SANGHI HOUSE, PALKHI GALLI, OFF VEER SAVARKAR MARG, PRAVHADEVI, MUMBAI:- 400 025, MAHARASHTRA, INDIA. "COMB" 25.09.2003	
Class	12-13	No.190909. EROS METAL WORKS PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT G-5, M.I.D.C. INDL. AREA, NAGPUR: - 440028, MAHARASHTRA, INDIA. GARBAGE VEHICLE" 07.01.2003.	
Class	12-13	No.190910. EROS METAL WORKS PVT. LTD., A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, AT G-5, M.I.D.C. INDL. AREA, NAGPUR: - 440028, MAHARASHTRA, INDIA. GARBAGE VEHICLE" 07.01.2003.	
Class	02-99	No.192280. MRS. PRITI R. SHAH, INDIAN NATIONAL TRADING AS M/S. POLY PLAST INDUSTRIES, AN INDIAN COMPANY, NO. 7/9, TNHB INDL. ESTATE, PHASE-II, MUTHAMIL NAGAR, KODUNGAIYUR, CHENNAI: -600 118, T.N., INDIA. "GARMENT HANGER" 02.06.2003.	
Class	09-03	NO.193281. B & M HOT BREADS PVT. LTD. OF TAMIL ILLAM, NEW NO. 25, OLD NO. 12, UND MAIN ROAD, GANDHI NAGAR, ADYAR, CHENNAI-600020, TAMIL NADU, INDIA. AN INDIAN COMPANY. "PLASTIC DISPLAY TRAY" 22.09.2003.	

Class	06-04	No.191781. TOSHER GUSTI HORMUSJEE, OF 41/42 IMPERIAL COURT, CUNNINGHAM ROAD, BANGALORE-560052, KARNATAKA, INDIA, AN INDIAN NATIONAL. "TRAY FOR STOWING TOOLS, GAUGES, MEASURING INSTRUMENTS AND OTHER SUCH ACCESSORIES" 08.04.2003	
Class	19-06	No.192260. WATERMAN SAS, A FRENCH "SOCIETE PAR ACTIONS SIMPLIFICE", 9 & 11, RUE CHRISTOPHE COLOMB, 75008 PARIS, FRANCE. "PEN" 09.12.2002. (Reciprocity, France)	
Class	02-04	No.192463. M/S. TRELA FOOTWEAR EXPORTS PVT. LTD., OF ADDRESS D-38, SITE-C, INDUSTRIAL AREA, SIKANDRA, AGRA:-282 007, U.P.,(INDIA). "SOLE FOR FOOTWEAR" 26.06.2003.	
Class	05-05	No.192927. THE RISHABH VELVELEN LIMITED, AN INDIAN COMPANY OF 9 <sup>TH</sup> KM, HARDWAR-DELHI ROAD, NEAR RANIPUR TOLL BARRIER, JWALAPUR, HARDWAR:- 249 407, U.P., INDIA. "TEXTILE FABRIC" 18.08.2003	
Class	05-05	No.192672. GOLDTEX FURNISHING INDUSTRIES, 78/1197, TRI NAGAR, DELHI-110035, INDIA, AN INDIAN PARTNERSHIP FIRM. "TEXTILE FABRIC" 25.07.23003.	

Class	05-05	No.192671. GOLDTEX FURNISHING INDUSTRIES, 78/1197, TRI NAGAR, DELHI-110035, INDIA, AN INDIAN PARTNERSHIP FIRM. "TEXTILE FABRIC" 25.07.23003.	
Class	05-05	No.192670. GOLDTEX FURNISHING INDUSTRIES, 78/1197, TRI NAGAR, DELHI-110035, INDIA, AN INDIAN PARTNERSHIP FIRM. "TEXTILE FABRIC" 25.07.23003.	
Class	05-05	No.192669. GOLDTEX FURNISHING INDUSTRIES, 78/1197, TRI NAGAR, DELHI-110035, INDIA, AN INDIAN PARTNERSHIP FIRM. "TEXTILE FABRIC" 25.07.23003.	
Class	12-08	No.192462. FIAT AUTO SPA, AN ITALIAN JOINT-STOCK COMPANY, OF CORSO GIOVANNI AGNELLI 200, I-10135 TORINO, ITALY. "MOTOR CAR" 30.12.2003 (Reciprocity, Italy)	
Class	08-05	No.192059. SANJAY SINGH BAIS, INDIAN NATIONAL, H. NO.1407, GANGA NAGAR COLONY, GARHA, JABALPUR (M.P.), INDIA. "FLUID LIFTING PUMP" 06.052003.	



<b>संकेतित</b>			
Class	02-03	No.192578. SANSPAREILS GREENLANDS PVT. LTD. AN INDIAN COMPANY OF 28/32, VICTORIA PARK, MEERUT 250001, UTTAR PRADESH, INDIA. "CRICKET HELMET" 14.07.2003	
Class	26-05	No.192111. JAPENCO, AN INDIAN PROPRIETORSHIP FIRM OF GALA NO.9A, 2 <sup>ND</sup> FLO-OR, MENON INDUSTRIAL ESTATE, OSHIWARA BRIDGE, GOREGAON (W), MUMBAI:-400 062, [MAHARASHTRA]. "NIGHT LAMP" 14.05.2003	
Class	02-04	No.192466. M/S. TRELA FOOTWEAR EXPORTS PVT. LTD., [OF ADDRESS D-38, SITE-C, INDUSTRIAL AREA, SIKANDRA, AGRA:-282 007, U.P.,(INDIA). "SOLE OF FOOTWEAR" 26.06.2003	
Class	02-04	No.192464. M/S. TRELA FOOTWEAR EXPORTS PVT. LTD., [OF ADDRESS D-38, SITE-C, INDUSTRIAL AREA, SIKANDRA, AGRA:-282 007, U.P.,(INDIA). "SOLE OF FOOTWEAR" 26.06.2003	
Class	02-04	No.192465. M/S. TRELA FOOTWEAR EXPORTS PVT. LTD., [OF ADDRESS D-38, SITE-C, INDUSTRIAL AREA, SIKANDRA, AGRA:-282 007, U.P.,(INDIA). "SOLE OF FOOTWEAR" 26.06.2003	

Class	02-04	No.192392. M/S. AMAN POLYPLAST, C-34, SITE A, INDUSTRIAL AREA, SIKENDRA, AGRA, UTTAR PRADESH INDIA, A PARTNERSHIP FIRM. "SOLE FOR FOOTWEAR" 19.06.2003	
Class	05-05	No.192668. GOLDTEX FURNISHING INDUSTRIES, 78/1197, TRI NAGAR, DELHI-110035, INDIA, AN INDIAN PARTNERSHIP FIRM "TEXTILE FABRIC" 25.07.2003	

Dr. S. N. MAITY  
Controller General of Patents, Designs & Trade Marks